

Acosus Measurus Klesw Secr. Civ. Gedan. Reg. Soc. Angl. Sodalis. Let. LIX.

HISTORIÆ PISCIUM NATURALIS

MISSUS PRIMUS

LAPILLIS EORUMQVE NUMERO

CRANIIS PISCIUM,

PISCIUM AUDITU.

I. ANATOME TURSIONUM
II. OBSERVATA IN CAPITE RAIÆ.

Virgil, V. Æneid, 239.

Dixit: eumque imis fub fluctibus auditi omnis Nereidum Phorcique Chorus.

C U M F I G U R I S.



GEDANI, LITTERIS SCHREIBERIANIS. 1740.

REGIÆ SOCIETATI LONDINENSI IN AMPLIFICANDIS HUMANI GENERIS

LONGE CELEBERRIMA

H. Boerhave, Epift. Thefauro rer. natur.

A. Sebæ præmissa.

Q vid habet homo, in qvo fuavius femet oblectet, qvam ut fenfuum ope cognofeat ea, qvæ adorandus unice, & omni anioris teneritudine diligendus, naturæ Autor creavit in ufus mortalium, horumve curiofæ objecit contemplationi? Facultates certe organorum mirabiles, fenfibus nostris liberaliter adeo datæ, speculationi huic famulantur inprimis, qvo mentem ducant in cognitionem corporum, qvibus instruitur ornaturqve rerum universum.

LLUSTRI SOCIETATI
VESTRÆ annis abbinc aliqvot
adscriptus, qvod insigni Benevolentiæ Vestræ debeo, amplissimis Nominibus Vestris meditationes meas qvalescunqve peculiari scripto demisse offero. Qvumres
non adeo obvia, nec admodum trita sit,
qvam mibi examinandam sumpsi, non nissi
primas ejus in præsenti ducere lineas missi
licuit. Cum DEO & die forte Supplementa

menta quædam non minus curiofa & grata subjungam. Ceterum, qvicqvid est Opelhe bujus, limatissimo Vestro Judicio eo libentius subjicio, qvo certius consido, Vos pro solita Humanitate Vestra conatum meum in re qvidem tenui, sed ardua satis, nec ab aliis in antecessium transacta, æqui boniqve consulturos esse.

Nihil mihi pretiosius fuerit Favore Vestro, VIR I omni Venerationis & Observantia cultu prosequendi. Hunc favorem à VOBIS mihi enixissime expeto, quem officiis paratissimis & summo in promovendis scientiis ardore, dum vixero & valuero, demereri annitar. Dabame Museo pridie Non. Maji MDCCXL.



PRÆFATIO PISCIUM AUDITU



g. I.

isces dicimus: Animalia apoda pinnis natantia. (a)

(a) Ab has definitione fielufa faut; farpentinum genus, pinnis earens; Caneris, Aflatig Tellaces; Cochlea; Conclusiver into Aurphilias, five bijecis, (ut Manuel Clafa) five Quadropedia, ut Phoces, que promificue ab Antiquis, non fine rerum conflutione, Fifes nuncuognator,

Multa Historie Piscium infervientia usqve adhuc desideranur; mittimus reliqva; mancam modo accusantes eorum Historiam Auditus.

6. III.

drupedibus communia habent, de corum Auditu, ciusque meatu & Organis pellin apud Autores nomulla; verum circa Cartilagineos & Spinolos (qvos vocant) res magis obleura, toe licet ractara curis & vigiliis.

6. IV.

diri, An ejusmodi pifces audiant, nec ne? an meatibus audiroriis externis premention, nec ne? & qvznam fint organa auditus? probatifilmorum autorum
A 2 fences-

PRÆ-

fententiz different; negant alii, alii affirmant; qvidam ancipites provinciaps explanandi depotuerunt.

Inter affirmativam & negativam verfautibus nobis femper placuit Affirmativa, animus tamen non est, cum his, qvi hunc fensum pitcibus denegant, ferram controversiarum trahere; non enim glorium nobis, sed veritatem venari volupe eft, qva, fi non luce clarior mox apparer, inanibus oninionum nebulis impedita, fapius neglecta maner, & offentationem alfentandique confuendinem pervincere nequit; multa enim cognofcerentur, que naturali feientie caligenti lucem aliquam femerarent. Il nun omnia iam deprehendiffe erederemus,

Evolvemus in limine opella iplos autores, & audiamus loquentes de audiru pifcium Cartilagineorum & Spinoforum, ut appareat, qvid ab illis fit præftitum, qvibus teftimoniis, experimentis & rationibus vel pro affirmativa, vel pro negativa, ufi fint. Sic nemini erimus molefti, nec fraudabimus merita laude Viros confummatos, qvi in hac arena ante nos desudarunt; Illi verò, qvi præpostere exclament, inaniter collocaram o-peram nostram, forte lucrabuntur gradus, qvibus ad operis hujus trunci & mutili, qvod credunt, abiolutionem ipfi pervenire poffint; hoc fi præftabunt, pergratum nobis erit, utpote in publicam orbis literati redundans utilitarem.

Inter Principes Celeberrimus Rajus Lib. I. quem adjecit ad Historiam "Pilces omnes, præter Ceta-Piscium Willugbbeji pag. 3. scribit: cos & forte etiam carrilagineos, auriculis externis & meatibus auditoriis carere, unde non folum muri, fed etiam furdi effe videantur; mox "Se demonstraturum, pitces omnes audire, quamwis, qvo organo audiant, nondum fit compercum., pag. 6. verba ejus "Cum autem pifces nervis auditoriis careant, cos funt segventia: seriam auditu destitui verisimile est., & pag. 7. Qua ergo parte saudiant (si tamen omnino audiant) nobis certe nondum plane constat, "qvod vero pitees Obtufius audiant, qvam animalia illa, qva in aere re-"ipirant, libenter concesserim, & paulo poft: "Cum pitces di-"tciplinz capaces non funt, (b) hinc fentu difcipling i. c. Auditu admo-Willugbbejus in pifcibus carrilagidum imperfecto donatos effe... . Foramina lecus oculum utrumqve in neis pag. 45. observavit : os apertum, cujus ufum effe purar, partim ad aqvam in os excipiendam. ... gyam per branchias iterum expellant, partim ad lonos admirrendos, au-

adirus caufa... Ejusmodi forsmins pone oculi angulum posteriorem affignat Cani glauco, p. 51. Vulpeculæque Bellonii lunulata, auditui forte interviencia p. 59. Ipie, ni fallor, Clariffimus Rajus foramina Serra pifcis P. 61. post oculos meatus auditorios esse credit. De Pastinaca marina Rondeletii Willughbejus p. 67. hac habet; deletsi Willaghbejus p. 67. hac habet; "Foramina retro oculos,
39vz ut aurium figuram imitantur, ita earum fortaffeutium præffant, adeo agrandia funt, ut minimum digitum facile admittant, inque os ipfum pa-& in Rejæ lævis undularæ Cerebro p. 70. offendit præter nervos olfactorios aliud par nervorum, qvos auditorios putat, qvi in duo Corpora glandulofe, gelating aut Amylo fimilia, innumeris ramolis sparguntur, quamvis & alio ramos mittant. Corpora hae Cuti foraminum illorum, qvx ultra oculos inveniuntur, contigua effe dicit, unde foramina illa pro meatibus auditoriis habet, & piices hoice auditu gaudere minime dubitat. Ad latera Cerebelli duo offendit foramina in Cranii offe, in qvibus latuie substantia Ceruminis aurium; ut prztermittamus Rajam clavaann p. 74. é 77. Squarinan p. 30 Torpedinen americanam p. 81. é plures qui vocantur Cartilaginei, vel Vivipati vel Ovipari. Circa Spinofos mulla apud peripicacifimum Willaghbeijam, qvantum legimus, mentió fit mana de propiesacifimum Willaghbeijam, qvantum legimus, mentió fit mana de propiesacifimum Willaghbeijam, qvantum legimus, mentió fit mana de propiesacifimum Willaghbeijam, qvantum legimus, mentió fit mana de propiesacificant de propiesa meatus auditorii, nifi qvod fuperiora ex quatuor foraminibus majoribus in capite Mola Salviani fortaffe meatus auditorios effe connotaverit. Catetum Elianus Lib. IX. Cap. VII. lenfu audiendi acerrimo effe Lupum, Chronin, Salpam, mugilem dicit; De Rondeletio infra-

(b) An pifes omnie disciplina adeo incapaces diei queant, bafitamus; Caufam corum agunt Teftimonia de convocandie ad Cibatum, in fequentibus Sphis prolata-

6. VIII.

Ancipitem in Spho precedenti audivinus Clariffimum Rajum, num Pices audiant, nec nes nihilominus tamen circa initium Capites IV. Libri I. de Pifeium auditu amplechiur illorum fententiam, qvi pifees omnino audire flatuune, eumque in finem Rondelettum Lib. IV. cap. 9. & Lib. VII. tap. 14. nec non Georg. Scierum in Ephem. N. C. Germ. Ann. IV. & V. Obfero, 145. ad dicenda refilmonia de pifeibus ad fonitum Campana accurrentibus cibi capiendi gratia & fimilibus experimentis, producit, folummodo modum (rem urique alrioris indaginis) se ignorare fatetur; Rondektio vero cumque fecuto Kirchero dubiis, au foramina ante oculos polita ad audiendum, an ad odorandum fint? contradicit, qvin potius odoratus organa effe, verifimile iph viderur; Nec obflar, quod in appendice ad William b. p. 28. eirca experimenta de pifeium auditu injecerit dabium Clariffimus Rajus; cum ipie qvidem cautelam, ur tolli qveat dubium, addar, de qua §. fequ. circa finem.

6. IX.

Neque Plinio ignota fuerunt cjusmodi experimenta de congregandis ad certum ionirum pilcibus, qvi H.N. X.70. hachabet: "Pifces qvidem audiatus nec membra habent nec foramina, audire tamen eos palam eft; ue-"poce cum plaulu congregari feros ad cibum coniverudine in qvibusdam privariis spectetur, & in pilcinis Calaris genera pilcium ad nomen venire Inter plures de ejusmodi experimentis reftinionium ferentes, audianus adhuc Mareum Aurel: Severinum, Rondeletium & Robertum Royleum. Severinus de respirat: pisc. disputat. Prima pagct. a. meminit pilcium alrorum in vivariis Hortorum Principis Perrarienfir, qvi nances lare per pifeinam ad Jonnim pullar campanar Jolemnis cibarus moniti, medium in locum, Sodalium Coenobitarum more, rapide convenerunt; & pag. 95, non folum ad Ælianum avi ngyptias Triffas delectari cantu, pullibusque teflarum concrepitantium in fed & ad Rondeletium & demum ad Andr. Laurentium "confonantiam" "fonos vifas exilire arque geftire, "pifces optime audire in oper. anatom. bift. queft. 9. provocat, quod noverint illi, qvi mugilum nocturnæ interfuerint venationi., Rondeletius p. 106. extra dubium ponit, qvod plane conflet, audire pifces; Romadeunt p. 100. extra dubrum point, gwod piane contret, audire pities; hine p. 107, hac habet:
"nateun ad nos voexti, mil audiant", experimenta mox addens, qwod "mon procui ab Ambiano in villa qvadam Divi Antonii Trocha muristur, "non process ad cibum properet, & de manu capiat; Glani pariter & Cypri-"ni in vivario ædium nobilitimi Viri a Jarnaco puliaro NB. pariete ad ci-Boylei verò historia de pilcina in horto prope Genuam, cujus pilces ab hortulano, quem videre nequeunt, certo fono convocantur, Philof. Works P. III. p. 41. hac eft: on the fide of a hill, where the wall being to high, that men could not slook over it, nor be at all feem over it by the fish in the pond; yet that the (an credible person) has several times observed those fish to be called stogether by the Gardener with a certain noise he made forthar purpole; "tho neither this Gentleman, nor one elle, could be discover d by the "fish, that readily, obey'd the fummons., Qvodli hze testimonia fish, that readily, obey'd the fummons., Qvodli hze testimonia fexcellentistimo Rajo innotuissent, nulli dubitamus, qvin aliqva parte voluprarem inde fenfiffet, se non frustra caurelan de piscibus, pulsanda campana ad escam convocandis, in appendice ad Willingbbeji H. Piscium Nat. pag. 28, propofuiffe; verba ejus hac funt: "Si campana pone parie-rem collocaretur, & nihilominus ea pulíata e latibulis egrefli pirces co fe preciperent, unde fonitus exiret, qvin auditu donati effent, nullus adhuc relinquereur dubitandi locus., Nec filentio pratereamus Pradium Charlottenthal non procul a Regiomonte, Celfissimo Ducisse Holjatie hortos Adonidis referens, ubi Cyprini lati ad tinnitum campanæ porratilis, quacuaque hora diarna pulfaveris, in Ichthyotrophio convocantur, ac illico congregantur cibatus caufa.

Ex dichis igitur apparer, quosdam Autores hafitare, plurimos in co convenire, avod pifces audiant. Omnibus nihilominus ramen non certo conflat, qua parce audiant; & licet Severinus post Julium Cafferium Placentinum lapillos five Officula, pro organis internis aufcultatoriis agnofeat, externum tamen mestum auditus nullum manifestum piscibus esse dicies retineatuus ipfius verba, qvod autor non in omnium manibus eft: qva pag-32. b. fie fonanc: "Audire pilces palam est aque intervallo. Est enim 3aqua intervallum auditui corum, ficuri ser auditui terrestrium, ut tradistur ab Ariftotele, fecundo de Anima. Nulla tamen pars ci eft manifefla, qvæ fenfus ministret audiendi; &c. &c., de organis verò internis pag-95. hac haber: "Facultaris audicoria (pi(ces) non funt expertes. "fed quantum horum natura capit, participes, confrantibus aufcultatoriis "Organis internis apprime nobilibus, quorum unus, cum fit lapillus malleo "relpondens fenfus percufforio, hic capite gestus ham facit audiendi prom-»Ptitudinem; qvod adnotavit Elianus lib. IX. cap. 7. & fi reclamarit futilister Andreas Cafalpinus in 5, quaft. peripatetic. 3

6. XI.

Ecce difficultates permulta! qvæ etiam Willugbbejum in dubio reliquerunt, an oblongum in utraque ultima frontis parte oculis proxima insculptum foramen Zygana auditui Olfachuive aut utrique (addidit forte Clarist. Rajus verba ut arbitror) inferviat? fimiles difficultates etiam Juhum Cafferium Placentinum in declaratione Tabula XII, p. 217. Pentathefei à recta, quam incedere potuiffer via deduxerunt, ut circa meatus anditorios Lucii pifcis in iplis Olfactoriis detegendos nimis occupatus fuerit, quem ca propter Clarisf, Williffus Libro de anatome Cerebri (vid. Willighe. P. 6.) nominetenus, quali unicus fit, qui in hunc errorem inciderit, notavit. Neque Beatus Artedus, Suecus, cujus pramaturam mortem dolemus Asserties fuperavir, oretain fipures pices, vivos preferim, diffecuerit, qvin potius in Ichthyologue Parte II. p. 19. 3. 45. fententian "Pifces cetaceos omnes meatus auditorios externe habere, reliquos vero omnes iisdem carere, & confequenter fonos feu voces non videri percipere, przcipute, cum vocales non fint;" hilominus tamen pag. 20. concedit, pifces Obicuro qvodam auditus fenfupreditos effe, ad percipiendos fonos gravifimos, nulla vero ratione voces articulatas exaudire putat. Pratermittimus hac, nec hoc loco examinare volumus, an tuto afferere potuerit, nullos pifees przter Cetaceos vocales effe, quod vel Lattiz vel Cobirides fluviatiles adeo infoni non flunt. Mittimus pariter Petri Marryris Lib. XVI. Hift. Nat. c. 57. relationem de pilcibus

6. XIL Andiris itaqve Virorum celeberrimorum rationibus in utramqve parrem collaris, perpentis quoque corundem Testimoniis de experimentis circa Auditum pifcium, in illorum caftra transimus, qvi pifcibus fentum auditus tribuunt, idqve eo libentius, qvo probabilius nobis videtur, Aqvæ, in qua degunt piices, intervalium iplis nulio impedimento effe ad audiendum, qvin potius, argumento delumpto ab homine, qvi fonos verbaque in contiguo hypocaulto intercedentia per parietem audire non folum, led & intelligere potett, in eo fimul confirmantur, Pilces nec obtufius (6, 7.) audire, quam relique animalia, ied aque perfecto auditu, fibi proprio, praditos effe, ac alia animalia perfecte audiunt. Inter hac forte dantur plura surdastra, quam inter pisces obtusius audientes. Nemo sane dixerit; Pifces (inprimis ejusmodi Cartilagineos, qvorum integri oculi fingulari membrana, licerrengiffima, claufi, ex. gr. Galeum Acanthiam five Spinacem) in aqva obicurius videre, vel omnes debilius olfacere, qvam reliqva animalia in libero aere. Posico autem, non concesso, pisces obsusius audire, fequeretur tamen, qvod habeant Organa auditus, meatusqvc auditorios, gyibus mediantibus motus tremulus ad organa, vel debilis ienfus auditus. percingere poffit, licet difficillime meatus in plurimis pilcibus fint demonftrandi, quod longe funt fubriliores meatibus externis pifcium Ceraceorum valde fubtilibus.

6. XIII. Sunt prateres, quibus in mentem venit: Pifces non nifi exferto espite & sperto ore natantes audire, dum verò capita demittunt, cum reliquis forum non percipere, illisque os apertum, membranis certis mediantibus. loco meatus auditorii effe; probabilius enim ipiis videtur, pifces aperto ore extra undas, quam per cutem à lateribus audire; quafi verò sympanum reliqvorum animalium non fit cutaneum; vel (fi in re ardua ludere licet) quali furdorum alias pilcium excubiis nocte divilis, exferto capite oreque aperto, Natura privative facultatem audiendi, ad modicum temporis fostium concefferit, ut scilicet Excubitores, audita hora, a stationibus liberari postint, qvi, si capita demittunt, facultate audiendi rursus privarentur.

§. XIV. Circa Lapillorum, five Officulorum in Craniis Pifcium corumque numeri investigationem, periculum faciemus, an Organa Auditus, Meatusque auditorios, quadantenus in clariore luce exponere valeamus, admodum contenti, figubi tentando quadam offenderimus non plane vel ingraen vel nullius momenti; qvod superesse possit, jure meritoque Peritissimis in Arte Anatonica nobisque magis oculatis indagandum relinquemus.

LAPILLIS EORUMOVE NUMERO

IN CRANIIS PISCIUM

ommuniter dicuntur Lapilli Lapides, Ichthyolithi, gvod ad fubstantiam qvafi Siliciam accedunt, nobiliffimæ Porcellanæ inflar in plerisqve vel pellucidam vel femidiaphanam, unde eriam Gemme Antiqvis dichi; collifi Jonam vel tinnitum, lapidum more, edunt, & facilius in pulverem redigipoffunt, qvam pifeium Offa, vel quz vocantur arifix, fpinzve. Cafferio & alis Officula audium. Lapides Umbra Aldrovandi, fic dich Lapides St. Perri fimilesque tanta fune duritiei, ut ignem e chalybe eliciant; nobis perinde erit. Lapillos an Officula vocites; extra dubium tamen ponimus, lapillos holce, tanqvam partes Confliturivas intra Cranium pifcium arcle colligatos cum Cerebro generari, ac ad certam magnitudinem pro definito volumine pilcium, augmenta capere. Si qvis ejusmodi lapillos in fedulam inquilitionem vocarer, confidimus fore, ut ex laminarum vel fibrarum numero & craffitudine, pro generum & specierum diversitate, annorum feries, quibus vixerunt, indagare & determinare poffit, quemadmodum in arborum runcis fectis circulorum numerus annos, qvibus vivens planta duravit, indigitar. Mirum, qvam variis ludant figuris, lapillosque pilcium unius familia, ur Lucii cum Salmonibus, &c. Rhomborum & Rhomboidalium aliorum, Cobiridum, Alolarum vel Cluptorum, Alellorum & reliquorum, affinitatem quoque figurarum inter se habere; vel enim ad ellipricam allamqve in longum ductam, qvandoqve angulotam, vel ad circularem fimilesque figuras inclinant, forma tantum qua magnitudinem, inciforas, crenas, radios &c. fe diffingventes. Mercato in Merallorb, p. 187, peculiare videtur, natura lapillos in capite pifeium gigni, ubi hmul pilces apriores talibus lapillis gignendis, inter qvos e paguros (c), exponit, nec non materiam, unde fiant, qvz mucola e glatinola; Fallopium refellens, qvi lapidum materiam lapideum in mati fuccum flatuir; pour refellene, qvi lapidum materiam lapideum in marrauccum nature, dilalitus vero in notis ibid, nobis perivadere cupic, lapides in pilcibus gi-gui cadem pene ratione, qva in ceretais animalibus, & notanter, prout lapid Boom pene ratione, qva in ceretais animalibus, & notanter, prout apis Bezoardicus fit. Modam fiendi vel generationem talium lapidum Aliorum judicio & caucleationi relinqvimus; nobis animus non eff, nifi ob-

(c) Cum Paguris Affacisque res omnino alher fe habet, conferaux Warmii Mufinm pag. ps. fee, in primes Libellus memorialis incomparabilis Reasmarii in Hift. Res. Scient. Anni 1712, & Supplementum 200, 1918.

Antegvam autem lapillos, quos infi in Craniis pifcium hactenus invesimus, corumqve numerum exponentus, evolvantus hittoriam, qvot illorum & in quibus piscibus antea jam suerint detechi.

Plinius, Athenaus & Ælianus à Salviano & Severino allegati observarunt lapides in Cerebro Afellorum, aft non nifi Majores duos; Idem Plinius XXXII. H. N. 9. toridem notavit in price Banchi ex Mugilum genere. Plutarchus, Libro de fluminibus, in Scolopide pifce, fluminis Arare, ovem Salvianus à nemine visium esse dicit, lapidem grano similem vidic, adverfus quartene febris morbos valde utilem. Bellonius de aquat : mentionem facit lapillorum Umbræ, Spari & Marhutii, qvi species eft Afellorum. Salvianus in capite Tinca lapidos binos exiguos observavit. Atheneus Libr. VII. in cerebro Denticis, qvi Synodontes Paulo Jouro Cap. XII. Mercatus "in candore splendere quoquomodo videantur; forman habent oblongam, De hoc pifce Fr. Bouffuetus carinine de altera tamen parce gibbaru. natura aquat: in Rondelet. p. 20.

Si quando pifceni mandis Duvidena, caveto. Nimirum lapides in capite ille gerit-Nam mili cum fola diffent atate Synagris

Et Synodon, siet hic major, at ille minor. Synagridos gemmis gemmas Synodontidas ergo

Anreferes, aliqua si bonitate valent-Plura de Synodontidis, nec non de lapidibus pifeis Umbra, infra 6.20-fea. Idem Bouffuetus de Heparo, pag. 19.

Sed lapis in Summo vertice durus incit. irem de Cestreo p. 07. Et gerit in cerebro pharmaca mira fuo.

Nam quos reppereris lapides operatus in illo Nephritim excutient comminuentve tusm-

De Coracino lapide vid. Aldro.. Muf Metall. p 795. & Mufeo Mofeardo "Nel capo del Perce Coravzina, o Corvo detro da Venestrani, trovafi im pietra dal nome progrio chiamata, di bianco colore, se di varie forme grons alli dolori ce al inteffini, confer. Muf Calcool, p. 96. & P. Josigm od fn. Cap. VIII hic "In Corremi capite plapillus inventur, avent paerorum collo pro amuleus fuspentum regio sation bo advertant, quem pactoriam autores tradideront, De Au-rate & Dentalis put, and lapatibus via, rurius Al-brot, ad. l. Sic quoque veterum Germas Diaconate, Sacras &c. proce Spinodomida and piteium lapian, miniraan Dracones, Sacras &c. In Tiburonium capitabis lapides invenirs teffstur Buttr Hans Voane Voy, to Jamana 1, p 23, tirca fin. pagine: . The Stones in the Head of this fish are good for table who cannot make swarer, and for pain in the I iver, vim. Rochefort calls thele flones their sols why Cervelle .. Majeum Mofeards p. 140. & Muf. Calceolariamun f 96 ancum lepidem in capite I iburonum agnoteere videntar; in illo cam legventia illo cam legvenus 3 Trovui una pierra nel capo del Pelce Tiburone ade, mar indico, e di color bianco con concava da una parte, in Calecol. Muf. leguntur hac . san pondere gravis & ex parte conc. v.s., quent h gustaveris, inlipidum de-"Lapis faris magnus, in colore albicins, Epismous lapidem a Calceo ario deferiprum nachi fumus ab Ameo ex Mo.covia reduce, qvi pondus VI. 3 fuperar; ut filentio pratereamus Percaram lapides, Pharmacopolis familiares, Carpionum ipurios, five triquetras Carolognies, que & mahorum pifeium faucibus, variantibia faitin figures, five treatgulart, five lenti-formi, five oval, utrinque Convexa, timabasee out ad attar, explares alios. Hoe adrim adduct monemus, nemmi audatoru n airoram piares, quan duos pifeium lipillos, five unit and par innotunite Negve recentiores, & inter hos Welfabrus &

Browelless de plaribas todiciri fuerum; ille Hecat. 1 Obj. XXVIII in cyprints ge nunes, toridem in perus, muffelis fluvar libus, capitombus, in Chrysophrve marma, Thymallis & in findules ob ervavit; Ilromellius verò in Ad. Lat. Suce An 1735. p. 65 non touth Caraogum reliquie piletum, quotam lapides collegerat, verum eram ceru idem l'yimen fladiote commendavir lequentibus "Inter neglectas diuque denderatas Lithograsphia nofire partes Hithoria felyolithorum haad immerito centeri debet; salve cama originem corum & generations modum, five a lim ac virturem silied cam respects, utransper ig totam off, & a nonme has usqvam, served lets.n, the exam natum. Per fetyolithos autem intelligo — gemiwhos quosdam exaguos & candidos lapillos, qui inter plerorimque pifeimun Crama generatur. & ratione coloris & fubflantia lapidea inter te conyenium, led figura argve may audine inter je difterunt &c y Lighterus, Lapillos Crann en praterzeeffus, Arteclus in b. d. lebibyol. p. 38.

respire berea fluvatalis bedomi dao Officula oblonga, plana & durk feu

De

6. XVIII. Tuliuc Callerius Placentinus Pentethelei b. 217. Omnibus palmom new-

ripnir; uspote, qvi primus tria paria lapillorum in cerebro Lucii detexita & fi non adulari nullum involvit persculum, audeamus dicere, neminem Callerio fimul propius ad organa auditus pitcium acceffiffe, via licer, quam pro meatu auditorio elegit, planè regia non fuerit, conf. spfius declarasso Tabule XII. Eins veftigits inhafiffe viderur Severinus (fupra 6, o) gvod mentionem facit lapilli malleo respondentis fensus percussorio, Georgius Furius, vel inte Charletonus in Mantilla anatom, Exercisationum pag. 81, & Onomell. Zoic. p. 207. nervorum auditoriorum quidem compicuorum, & Officulorum meminit, an autem in venculis utriuque duos an folitarios deprehenderit lappillos, certo non conflat ex varbis: "Nervi auditorii "item funt confpicui, & in laterum ibidem confinio, veliculæ tenuifilmæ, "aqvofe fine, in qvibus Officula duo auditoria talparum pedibus confini-la reperiumur." De tertio pare, qvod Offis lentícularis titulo inveflivit Callerius, nulla apud Severinum & Charletonum mentio.

€. XIX.

Ut propius ad rem, gyam nobis propofuimus, accedamus, fatemur, avod defideratiffimi Bromelin , Amici olun zflumatifimi , nec non Illuftris-Dn. de Fleucher (avi ad Larus Thefauri fut, lapidibus inprimis nobilioribus abundantis, copiam laris amplam lapidum primi Ordinis ex craniis pifenum depotant) exemples exentati , inquintionem in ejusmodi lapillos, unice in gratiam Mufeoli Noftri, fulceperimus. Tune indiffincte, prous formus rolit, ex variis pifcibus, & crudis & cochs, lapillos collegimus, duobus omnino contentis non crim circa initium Collectionis cogitaveramus, plures in Pifcium Craniis dari, quam duos; hine quoque est, quod Benevolus Lector in Tab. II. quorundum pilcium non nifi duos pro hac vice, five unicum par, offendat; temporis enim penuria facultatem nobis abflulit, in fimilibus inveftigationem reaffumere & religvos lapillos enucleare; invents autem fortuto quatuor, five duobus Paribus in nonnullis pitcibus, curam noftram cogitationemque in rem inopinaram contulimus, fimulque varios en propter confulumus autores, usque dum in manus venerit laudatus Cafferius; & ecce, Os, qvod appellat lenriculare, animum movebat, ut fedulo & in Tertium Par inquireremus. Hoc fagacius Filia natu minima, sub moderamine nostro, in nonnullis coctorum pilcium Craniis apprehendit; unde est, quod tandem nobis propoluerumus experimentum cum Craniis Cobiridis fluviatilis, Smerling, & cum Craniis Lucii, Flecht, pro duobus extremis inter pifces diverige magnitudinis affumptis-Res ex voto fuccessit; nimirum gave ex Craniis Lucii, ac ex capitibus Cobiridum plurimorum, tria reportavimus Officulorum paria. Qva autemratione tractaverimus duo crania Lucil cruda, alterum minus, alterum latis infigne, & que nobis non nisi nostro, quod dicitur, marte inquirentibus Phanomena fortuito apparuerint, hoc loco prius exposituri, quam lapillos omnum pifeum, quos hacteaus collegimus, exhiberemus.

6. XX. Media magnitudinis Lucii Capite truncato, Calvariam praparavimus. Tab. I. f. 1. & 2. Ad latera, circa bafin Cerebri, deprehendamus den fila qve fint antiam Offeam, femipellucidam, Ovalis parumqve convext figuex. Inverfo Cranio, ut magis commode & circumspectius aperiri possit, ficepe re man plane illa particula Offea, apparebat Veficula funime diaphana. 1 alt. r gutta aquez, ovalis figura, quali indata, (Veficula tenuiffina Charteron: (10) per quam transparebane lapilis utrinque bini, major aler, after tumor, in fluido cryffallino confpieur, pluresque propagines; Veficula c. m pellicula recentis feminis ex fructu mali Granati comparanda, din per turgidiuscula in aqva frigida confervari potest. Figuris 1. & 2, ab foliut.6, Calvariam in Spir. Vini immerfinuss; tendem Cerebro, licet minus circum/pecte, exempro, fig. 3. Cafferii Os lenticulare investigaturi, isad alterum latus inflatam five bullatam veficulam priori vicinam & anteriorem tem Cerebri partem respiciemen invenimus, in qva tertii parii lapilus transparens lacitabat. Singuli iapilli, sive Officula sus habent periostea, cum quibus force nervuli, vel teodites tenufflmi, quos determinare non autim vel alta propagines coherent. Tali modo, etiamfi Cerebrom finest.) vel alta propagines coherent. Tali modo, etiamfi Cerebrom fineste. perficiarie traclaverinus, tria paria lapillorum in ficu naturali, infepara-

bilem nexum cum Cerebro habentium, obtinuimus.

Ulterius Caffern experimenta examinare cupidi, sumplimus aliud Lucis manoris Cramum Tab. I. f. I. Cujus in superficie mox oftendimus de- Tab. I. tem parta foraminam, five foramins externs viginti (Casserus non nifi Na- EL tes expider, & Artedus duodecim circiter foramina numeravit). Adhibit tis lett, & Arteaus duodecim circuter torannus numera a) immilia per officials pro explorandis ductibus, Seta, qvz a) immilia per officials portinis pro explorandis ductibus, Seta, qvz a) immilia per officials portinis and processing the seta of off cechat in dis fimiliter ex b) & h) fetz apparebant in codem foranne d); fimiliter ex b) & h) fetz apparebant in codem foranne d); furfus, parum inflexa in b) fera communicabat cum c) when the communication of the co G pari modo h) cum b. Luerz e, f, g, mvicem inter ie communicarionem habebant omnia modo dela foramina amplim copiam inuccaginis constinuatin findebant. Nares A A A A niagna, parala, dipli-Cara, Americallo vel lepto notabili difuncia urrinqve In Narium foramine differente et lepro norabili diffineta urrinqve in vertuit i hinfra vertue et ere et en l'abila. I hinfra vertu, a dexera in l'abila. I hinfra vertue vertue urrinque urridare nature, memvero a, tamo into, it qued infact formen lumen meidere pourir, memtrans. Tanso ipio, v. qvod redicet foramen umien menore potuit, picta. Sinifro um fig 11., prout umbratilis in foramine viden potuit, picta. Sinifro um fig 11., prout umbratilis in foramine viden juditim, avi oftenditur th fig. 173). December numbratins in formulae vaccia poster, qui oftenditur fig. 17. fig. II. a) ad Cercbrum tendens; Ductus ille parieti orbita oculi conti-Tab.t.

guus; CIL

guus; b) est validus nervus; reliqua in ipsa figura. Tandem per mem-ELK Branam k) fig. I. que tres, vel quatuor lineas demiffius mtra offa expania, milimus fetam in foramen B. fig. I. Hzc, qva maximam longicudinem, liberter intrabat, leque NB, occultabat in Calvaria. Religionus candem in flatu quo, & Cranio ad justam menturam figura IIda ferra divi-G.H. fo. ac aperta Calvaria & derecto Cerebro fig. III. ieta, prout apparet re-

flexa, altera extremitate, qua foramini B. fig. I. immilia fuerar, difuncte ofculabatur lapillum fecundi paris fig. 1. 2. b); propter umbram, quan offa Calvaria lumini oppofita inducebant, veficula cum lapillis binis in figura III. b) pemcillo diffinctius exprimi non potuit. Qvanam vero dic. verticula fint, que feta reflexa perrepferit, & utrum c. fig. Hl. Offis

perroli, aut alius, nescio cujus, vices subeat, peritiores, qvi se Anatomicos profitentur, judicent; fimiliter, qvid obfiare possit, qvo minus major lapillus pro incude, proximus illi minor & longiusculus pro malleo, five percufforio, proximior vero & minimus orbicularis ac crenatus pro offe lenticulari Cafferii, five orbiculari, vel loco flapedis, foramina demum B. B. f. I. pro mentibus Auditus externis, & velicula ovalis figura, chanhana, 6, 20, pro tympano habenda? Officula diffunctius funt luftranda in Tab. Il. fig. 1.

& XXII.

Tr gyngve custodite, gva fieri potuit, folutum ex majori pisce Cerebrum (qvod in Sp. V. confervanus) appareat, inverfum, fummaqve in-(acculum) in qua Os lenticulare Cafferii, b) vero Vesiculam cum bints majoribus lapillis, velut incude & percufforiourringve, in fitti naturali, oftendunes plexus vel nervulorum, vel cavarum propaginum, vel fimilium, & reliqua, in figura ultro fele offerunt. Qvibus omnibus & fingulis cum Tab. XII. Callersi collatis, haud difficulter apparebit, pro virium noftracum infirmitate in vestigiis ejus omnes contendisse nervulos nostros, ut rem ipiam in clariore exponeremus luce.

Animus nobis est, ut & Cranium Mustelæ maculosæ & ex piscibus carrilagineis Cranium Sturionis diligentius perluftraremus; fi res ex voto fuccefferit, post Syllabum Tabulz II. Benevolo Lectori, gvid in iis, minimum in alterutro corundom observaverimus, rationem reddituri.

SYLLABUS TABULÆ I.

Fig. 1. & 2. Calvaria Lucii minoris inverfa. (5. 19.) a. a. a. a. Denotant corpusculum membranolum, five veficulam diaphanam utrinque, in qua bini lapilli, major & proximus illi mi-

b.b. Ex illis minor, longiusculus, perculiorius; in fitu naturali. Utrique funt mobiles. Reverla fi confideratur calvaria, anterior pars eft a. pofterior vero &

Fig. 3. Cerebrum exemum, in bafi fisa confident; antica parsa, postica g. 2. Bullula membranosa, in qua terrius lapillus, sive Os lenticulare Caffersi transparer-

b. Idem Officulum exemptum ab utraque parte delineaturo-

Fig. 1. Cranium Lucii majoris, sive Esocis Plageoplacei Artedi (6.20.) a - h. Foramma minora, præter minima: infignem qvansitatem viscidi humoris fuccessive descrentia.

A. A. - A. A. Nares; avas recte descripht Arredus: magne, patula, duplicem aperturam utrinque habentes, cum diffantia notabili inter duo foramina; mox ante oculos fitz.

B. Foramen: An meatus auditorius externus?

i. Membrana: intra Nares apparens, venulis fanguiferis, ramofis,

k. Membrana: in caviratem foraminis B. circiter quatuor lineas demiffa, ftructura a membrana Narium diverfa. Fig II ... tera ... ars Cranii, juxta meatus auditorios separata, & in-

2. Canalis ad Cerebrum tendens; an ductus Oifactui inferviens? Or-

bitæ Oculi contiguus; quem sponte transibat seta porcina Foramini A. f. 1. immffa. Nervus fatis validus; fimiliser Orbitz oculi incumbens; qvalis, an Olfactorius? de Nervis Olfactoriis Artedus in Philof. Ichthyol.

P. 43- gvod recto tramite a Cerebro ad Nares extendantur. Fig. III. Calvaria: detecto Gerebro apparet feta, qvæ forømini B. fig. L.

iturufa. Antica pars a, postica 3.

Quo loco Seta incurvata, altera extremitate corpus membranofum, five Vesiculam tenuissimam, qvz duo continer lapillorum paria, & notanter lapillum fecundi paris tangit; qvi, dum movetur, jucundo aspectu majorem osculatur, rursusque redit in locum fuum.

b. Corpus illud, quod modo diximus, membranofum; fub umbra, quam extantia offa inducebant, dimidio minus pictumc. Au pro osse petroso, au pro Cribriformi habendum?

- Fig. IV. Cerebrum exemeum & inverfum, cum pervulis & plexibus propaginum, quorquor obiervare licuit. Anterior pars a noffe
 - a. Veficula, ubi os lenticulare; verfus anteriorem partem cerebri. b. Veficula duorum Lapillorum majorum: verius pofteriorem parrem-cerebra

Ipfos denique lapillos ex Craniis variorum Pifcium defumtos. & a a Pare dulciffima prolis ab utraque parte delineatos expolituri, plerumque Ordinem temporis, quo fuecessive ex Craniis eruti funt, observabimus, mode Unicum par, mode due (vid: f. 18.) mode tria exhibituri; nulli dubitantes, in omnium piscium Craniis minimum tria & gvidem diversa plane lapillorum paria existere; sed patientia opus est exqvisitissima. ut experimenta repetere poffis oculis digitisque attentis; vel vícies multa & varia venatio ad captanda tria paria in craniis Alellorum minorum (Pomochlen, Dorich) inflituta, non tamen, nifi unicum, nimirum par primum, quod mox obvium, reportatum; tandem ex detectis latebris, icilicet minutis facculis inter propagines, reliqua duo paria, acu mediante. apprehenfa; nec crederes, hac, cum primo pare comparata, lapillos eximiz parvitatis abfolvere. Neque sufficients, Cursofe Lettor, onines lapides, vel officula in omnium pilcium craniis paria loca habere, ubi delitescaur. Facilius inveniuntur in capitabus productis pifcium spinosorum, & qyz in longiuscula ac lata rostra excunt; detecto pare primo, sive duobus majoribus officulis, proximi illis à parte posteriore cranii, sunt lapilli percufforii. Tertium par non procul ab extremo lapidis primi paris, rofrom verfus, in fingulari qvidem membrana, nexum tamen cum reliqvis habente, deprehenditur; in aliis craniis ex gr. Cyprinorum fimiliumqve, tria paria akius in antica parte utrinqve, ibiqve intra offa prime vertebre proxima & triquetra cartilagini oppofita quafi fepulta harent, ut cultro acuto opus habeas, ad detegendos lacculos, in qvibus lapilli; Longe difficilior corum apprehensio est in nonnullis pilcibus cartilagineis, cum horum Crana, inter cartilagines, quandoque Oleoginola; quod in capitibus Sturionum ad naufeam usqve experti fumus; itaque non flatim intermittas venationem, ubi illico non apparuerint, quas fectaris, pilcium gemmz.

SYLLABUS TABULÆ II. 9. XXVI. Pig.1. a. Lapillorum tria paria Lucii, five Efocis, roftro plagioplateo:

I-recht. b. Major lapillus denuo pictus; ex pifce cocto, in cuius rimule fubtadic alter lapillus percufiorius. Nam in coctorum pifcium

difcerptis eraniis Ianilla fecundi ordinis in majorum rimulis, que in parre parum concava funt, (fi ellipticam vel aliam in longum ductam figuram habent) vel in foveculis, ab altera parte majorum lapidum confincuis (ubi ad circularem figuram inciinant) rupra veficula, subsidentes inveniumer.

Fig. 2. Salmo nobilis: maculis cinercis; Lachs; reliquorum ex hac familia lapilli parum differunt.

3. Salmo Artedi Vrus; vix pedalis; Salmulus; Gedanenfium Möllitz. Salmones religios, imo Truttas, fapore grato & rubedine carnis antecedie; duo paria.

4. Trutta; Fohre; Forelle. Salmonata, Trutta maculis rubris, Lachs-Fohre, fimilibus gaudet lapillis.

5. Thymallus; Æfche, Efche; pifcis delicatulus; falubrior Trutta. 6. Marena Schoneveldi; Marene; pisois in delitiis, tam coctus,

quam infumatus; tris paria. 7. Harengus; Hering

8. Cuculi Species, maris baltici. Vulgo, Scorpana (cujus tres varierates habemus) & cuculus, fub nomine See-Hahn veniune; duo paria; post tabulam sculptam accessit tertium par.

9. Scorpena, richt rang piscatricis; duo paria; tandem & tertium par. 20. Afellus minor; viridis; maris Balcici; grinbunte Pomochel; fi falitus: Dorfch; circa littora Gedanenfium IX. vel X. species occurrunt, magnitudine corporis, (gvidain enim nunqvam pedalem longitudinem excedunt) Capitis forma, colore & cirrhis diversa; si pro varietatibus habere velis, mihi hoc loco perinde. Tria pa-

11. Lucio-Perca Gefu. Schonev. Sandat; Sannat; tria paria.

12. Perca major; implicier Barich; marina pedalis iune longitudinis;

23. a. Perca minor: Lacus Tuchelini, five Tuchum, haud procul a Gedano: Kaulbarfeh; Horum mentio fit m Epit, Tranfatt. Phil. I. 320. Pisces sapius ad 8. pollices excrescume, inque lummis deliciis funt; quandoque pro fingulis 9, vel 12, pendimus groffos, five tres vel quatuor groffos imperiales. Tria paria.

b. Perca minor Viffulz, Habique recentis. Tria paria. 14. Muffela maculofa; omnium nobiliffima; Schonev. Quappe; duo

13. a. Silurus, Wels; parvulus fuit; in magnam molem excreteens;

b. Silurus; cujus caput duos in diametro superavit pedes. Tria pa-



ria: ava feliciter Illustr. Do. de Heucher nuperrime Varlause anprehendit, & nobiscum communicavit.

Fig. 16. Rhombus sculeatus, Schonev, Sreinburte,

17. Rhombus, five Paffer maculis roundis, miniatis; firiche nobis Flunder; influmati, nobiliffimi funt Memelenfes & Helenfes. Post abfoluram rabulam accefferunt religya paraa.

10. Rhombus favamofus, non aculeatus, minor; Blatteus, 10. Cyprinus nobilis; Karpe; duo paria; accessit Collectioni nostra ter-

tium par, gyod a Cyprini lati tertio pare parum differe. 20. Cyprinus latus; Brama; Braffem, Prafem; huic congeneres, ut Weisfisch &c. lapillos figura fimiles habent. Tria paris.

21. Caraffius, maximi module; latiffimus; dictus aureus: Gold-Karaufch. Tria paria.

22, Caraffius, fimpliciter Karausch; corpore productiore minor.

23. Capito; Gedanenfibus: Geifter; duo paria.

24. Capito; qvi Zerta; qvod carnem habet ariflis plenam.

25. Rutilus; Rubellio, Schonev. Rotauge. Duo paria.

26. Tinea; Schleye; media atatis; duo naria. 27. Aculeatus; Stichling; Stechbuttel; tanta multitudine capiunfur, or uncolis Infolg Nehringg in cocturam Olei craffi, vulgo Trahn,

29. Tobianus; Tobias. Sandspiring. Accesserunt reliqua paria.

20. Anguilla; Aal. 30, Halecula; Encraficholi species; qvi Latulus primus: Brejtlings

prout Sardellæ vel Anchovies condiuntur fale. 21. Halcoula, qvi Latulus alter, Uckeley. Dorfo ex viridifufco; qvod fuora lineam longitudinalem ruffus feqvitur color; infra lineam ad latera & in ventre argenteus. Duo paria.

32. Cobiris, qvi eft fundulus: Grundling; duo paria.

33, Cobitis nobiliffimus, fluviatilis; Smerle; Schmerling; tria paris; finguli VI. lapilli funt bis (nimirum ab utroque latere) non folum m naturali magnitudine, fed etiam fub microfcopio delineati. 34. Sturio, Stor; ex capite 211 poll. longo. Tria paria. Lapillus per-

cufforus, lirera L. qvodammodo fimilis, nec non os lenticulare fimul fub microscopio picti.

35. Barbus; Barbe; fluminis Albis; duo paria. Accomodata manu Generale Nate Illustris Domini de Heucher capta. Perenni memoria Ejus exemplum industriæ, in colligendis pro Genitore pifeium lapillis primi ordinis, qvorum copiam 1737. Dresdæ vidimus, retinemus, avod ad reliquos inveftigandos nos excitavit.

C XXVII.

Spem injecimus 6, 22, ulterius periuftrandi Crania Sturionis & muftela maculo 2. Periculum fuicepimus. Fig. A. Tab. II. exhiber caput Tabili. Sturious ad quedruplum abbreviacum; ubi a a) meatus Olfactorii externi, Afive N res, b) vero meatus suditorius ad Opercula Branchiarum, figura cre.centis Lating. Diffecto capite Ductum auditorium perfecuti firmus intra cradit in cartilaginojum usqve ad corpus membranojum, in qvo tris (fig. 34. f. 25.) invenimus lapillorum paria. Mearus Olfactorii a, a.) & audin 4. f. 25.) invenimus lapillorum paria. auditor, s. b.) leparatin ad naturalem magnitudinem picil. Ex minore Stu-Loue offendirus flructuram cavitatis alterius Narium foramisis, fepto re-fecto, constitutes flructuram cavitatis alterius Narium foramisis, fepto reiecto, Capitellum Papaveris fatis apprime referencis, fig. do. expo sir corpus membranofum; a, facculus eft lapillorum primi & fecundi, β, vero facculus tertii ordinis lapidis five Offis lenticularis; γ γ, meatus additorius internus cavatus, in tlatu naturali finntes plexus formans quales in Lui, 6 è muftela maculola obfervavinus. Reliqua alis in Anatomia competata verfatis invefliganda rolinqvinius; ex dichi interim patet, meatus & Organia auditus in piteibus cartilogineis pariter fe habere ac meatus & organa auditus pifcium (pinoforum.

6. XXVIII.

La TAB, III. expositimus Cerebrum Mustela Maculosa, satis seliciter T. III. Li TAB. III. expositimus Cerebrum Multela Macutora, nama aerione ex Cramo desumptum, ize ut maxima pars meningis, s matris tenuis, apparen

Fig. 1 Cerebrum in basi considens.

6. XXIX.

a. Veficula, continens binos lapillos; cum ductibus fuis & propaginibus, abi, ni fallimur, plexus c. c. c. vices canalis femicircularis lubire videntur, quod cavatos deprehendimus, prout in Scu-

b. Latibulum tertii lapilli, quem hac vice ex vesicula sua solverenoluimus, libentius ilizium cerebrum cum propaginibus in Spir. V.

a) anterior, 3) posterior pars cerebri.

Fig. 2. Inversum Cerebrum, ubi in Vesicula a) a) Inpillus distinctius tran-Fig. 2. sparet. b) b) locus tertii lapilli. c. c. c. Canales qvi in fig. 1. a) anterior (3) posterior pars cerebri.

Fig. 3. Adjunximus Cranium Perca minoris, in qvo foraminula ad audi- Fig. 3. tum ferz a a), meatus olfactorios ferz b. b. indigitam. Ca

"Bouges ont à peu près autant de vertu les unes que les autres, c'est à "dire: peu ou point "

6. XXXI.

Aldrovandus præter Auratæ & Dentalis pilcium Iapillos in Muf. Metall. quinque communicavit icones, quorum fig 1. 2. 3. Corvalt five Coracini, figura vero 4 & 5. Umbra lapides reprælentant. Lapidem Corvuli deferibit, quod fit gibbofus juxta parten exteriorem, & tuberculum quodilam babens, cum appendice, emmentem, juxta partem exteriorem, & twoercumm grounda-tum diference, emmentem, juxta partem interiorem; bunc non mul-cum diference à lapide Pifeir Umbra, cum durus & candidas auerque la condition de lapide Pifeir Umbra, cum durus & candidas auerque la (vid. lipra § 16.) m eo tamen ambos differre, quia lapir Umbra zusta par-tem lipra § 16.) m eo tamen ambos differre, quia lapir Umbra zusta partem fuperiorem alsovantulum bifidus. Ejusmodi lapides in Bafilis Besters Communicatione Ratiorum perperam fub nomine Afellorum venuur. Cum illis conjugaranda tria paria que liberalitati Fautoris, Magnifici Domini Va-Lentin Schlieff Confutis Gedan, debemus. Horum accurates figures fieri fecimus; qvi Fab. l. Fig. 1. exhibentur lapides, parum & non mit in infe- 7.b. t. rior, parte tuberculisque inter se different; attamen neque Umbre neque (1) Cor, all lapides dixeris; quod uterque candidus non est; sed in superiore parte coloris intenie pulli; in inferiore quali ex Ochro pallers, interim pieces ex qvorum capiribus delimpti lapilli, ad unum idemqve genus, Can Scienta ac Coracino pertinere, nulli dubitanus. Tercium par, qvod in Tab. IV-lit, D. D. addidmus, forfan vel off Corvuli, vel Umbre, time T. iv. enim lapilli in inferiori parte toti candidi, & in fuperiore parte colore lutura carms fimili, levirer falcim, in eminentris tincti. Abfolicis Tabulis Celeb. J. P. Breymus nobileum communicava fimilem Lapidem, erat au-tem i. J. P. Breymus nobileum communicava fimilem Lapidem, erat autem il ectioribus aliquantum ponderofior & major; hune pro vero Umbrz cum Aldrovando agnoleimus, quod totus & fine ulla macula albus Allus and Eundem Amicum, coloris ignave pulli, irregularis forma & figure, levis, quali fit fuperioris portis correx lapideus, in inferiore parte ita granulatus & feaber, ut, inprimis in loco, ubi regulariter tubereulus interns, exoitofin paflos videatur; obfervatu dignus; qvem ab taraque parte pictum oftendimus in Tab. V. Fig. E.

MXXX .

Qvod ad lapides St Peeri, qvi etiam lapides Afellorum in Collett. Vraticlay. Fentam XVIII. vocantur, attiner, fatis nobis compertum habuimus Afelios majores, Cabbeljan iive Stockfich, ejusmodi lapides non foverc, quapropter Afelli integrum delideravimus caput, quod tondem a Manclero, curis anticua unmur, pauco Sale conditum ex Oceano nuperrune obtinuimus. Hujus lappillos una cum parte Cranii vid. in Tab. VI. Fig. II, & mox dijudicabis, qvod plane nullam eum lapidibus Sr. Petri fiin alleg.

Forte, fi DEUS vires suppeditaverit, supplementa lapillorum & phanomena in altis pifcibus obvia, pari alacritate cum cursofe doctis commupicabinus : Ecenim post absolucam Tabulam II. ex plurimis piscibus, qvorum non nifi unicum vel duo paris lapillorum modo exhibentur, vel religya omnia, vel terrium insuper delideratum lapillorum par obtinusmus-Lapillos iplos in Capfula quadrata ex Orichalceis laminis facta, & cera nigra, quantum facis, repleta, genmariorum more, difuoluimus; parum infuper folliciti, de quorundam perverto judicio, qui, Apitiana fectantes Condimenta, existiment, carne consumpta, pateium Offa, non nili felibus porrigenda effe.

6. XXX.

Reflat, ut lapides Umbre pifeis, ovem Greci Exicivas, five feixnam dixerunt, in Mul. Metall, Aldrov. p. 796. & lapides St. Petri in collect. Vratisl, Tentam. XVIII. p. 612. qvorum mentionem f. 16. fecimus, paulò propius confiderenius. De iplo pifce Umbra Autores diferenant, prout pluribus legere licet apud Aldrov. de Pifeibus p 78. fegg. Ipie verò Aldrovandus Umbram Coracino fimillimum effe perhibet, ita, ut Coracinus pro Timbra & Umbra pro Coracino Rome vendantur, ciusque lapides candem facultarem cum lapillis Coracini habeant, nimirum contra dolorem Colicum. vid. Aldrov. de psfc. p. 83. Mujeo mojčavdo p. 140. Mufeum Calecolar, p. 96. & Paul Jov. cap. VIII.; undo Bellonius de agvat. p. 118. nqvod prægrandes hujus pifeis calculos aurifici argento incluios, divendepre folcant, appellentque Pierres de colique sp Bouffuetus vero all. l. p. II. præfertim contra nephriticos dolores utiles prædicat:

In pretio Umbra etiam nunc est, velut extitit olim, Divitibus figvidem competit ifte cibus. Rins enim caro Ivavis & eft. & candida, qua fit Album ins fieri ava & Gelanna folet. In capite inventi lapides conferre feruntut Arayato morbo, nephriticisque fimul. Ovin eriam panos fape inteffina feinna

Savamuzave oxuffa graviter excutiunt,

Similes laudes celebrant Mercatus Metalloth, p. 187. & Commercium Litterarum Normber. An. 1735. p. 210. Noftrum non eft, in virtutes Lapillorum inquirere; conferri tamen potern Marchais Voy. de Guinée I. p. 31. Ubi de lapidibus Coliques, ex Afellorum majorum capitibus (fecundum autorem) & Bouges, ex Coehleis, hac addit: "On les prend (les Coli-"ques) dans les tères des morues; je penfe pourtant, que ces pierres & les

Tencam, Coll. Vratisl. ad An. 1721. Dec. Class. IV. Art. 7. n. 3. exhibentur, vocaprur LAPIDES SANCTI PETRI, qvod imaginaram faciem humanam representent, in memoriam Petri Pifereoris. Ibidem dicuntur, in Officina Regia Berolinensi substituti in locum Ossium Manati, & cum nobis silavot abbane annis innotuerat Beatum Neumannum M. D. & Chemiz Practicz Prof. Publ. celeberrimum, Cranium poffediffe pifcis, in gvo fluctuabant lanides modo dicti, idem Cranium nuperrime ex liberalitate humanistimi Domini Conradi, qvi in locum Beati Neumanni lucceffie, nacli fumusa quapropter publicas ipfi referimus grates. Aperto Cranio, duos equidem defumplimus lapides candidiffimos, & nonnihil pellucidos, aft nihil commune cum fimulacro humanæ faciei habentes; Gemmas portus Plant Syngdouridas effe fuspicamur, quod adeo in candore splendent; Conferatur Tob. IV. ubi a, cranium pronum, b, fupinum, c, lapides defumpti & ab surrange parce delineati. Sunt autem Synodontes pilces five Dentices proximi Auraris & Pagris, Romaque advectitii ex Illyrico Dalmatiaque litoribus. Id genus autem obsons Medici magnopere detestantur, prout Icribit Paulus Jones de Romanis pifcibus cap. XII, & ante alios Petrus Aponenfis, an rudi illa tempestate divini Conciliatoris cognomentum (unde sorte coenomen Lapidum St. Petri nachi funt Synodontida) in ea optimarum literarum strage promeruit. Is enim pifers femel cottos, affervatorque & prafertim vaforum conclusos operculis mortiferam qualitatem acquirere, mandentesque certo plerumque veneno inficere, ratione atque experimento deprehendille affirmavit; non ramen confundendi funt lapides St. Petri cum Pifce Sanch Petri, live Citula Romanorum, & Zaphiro Venetorum, qvi e genere pilcium planorum eft, fimilicudine libricis, ipia dorfi acie aculeata, capite extento. ore latiflimo, de quo P. Jourus cap. XXVII.

6. XXXIII.

Ataye hae Înat, qwa de PISCIUM LAPILLIS compendiare dicenda modo habit. Qwodi mendrum, qwo laborate revitare cupio, iliqueatus periçulis cutium Picium Cartingineerum & Sybusjerum de fenfu à UDI-TUS eipusqo Qwanis minus feliciter esq, vienimi nie faits ardum un impertaturum co certus comido, qwo facilius me eculatore em distribution expensation holes and production de la compensation de la c

fcribere voluit: unde est quod TIBI, LECTOR BENEVOLE, Schedulam memorialem Viri Delissimi, cui non nist pauca adjunxi, cum delineationibus rerum hue pertinentium Appendicis loco exponam, tandem Colophonem addent nonnulla a me objervata in Capite Raje dentibus acutilfinis recurvis. Qvod aurem jufto ferius prodierit MISSUS PRIMUS, culpam conjicias in immitem superate hiemis asperitatem, qvippe qvz & Chalcographis necessitatem imposiur, cunclanter utendi celo. Priorum Tabularum quatuor curam benevolenter in fe suscept Nobilishmus & Genecoiffirms CLIFFORTIUS, Vir ad bene agendum & ad commoda Hifloria naturalis promovenda natus. Curarifime Figura foulptz venufate finul offluunt; nec credo, TE, Amantiffime Lector, aliquid in Calamine desideraturum; hoc solummodo TE rescire desidero, quod Vir Oprumus, munus aurecedens Horti fui, inter infructiffimos celebris, muneribus modo cumulaverit, cum, præter omnem præfumptionem vel exfpe-Cationem, non folum aneas ied & pralo mandatas Tabulas prafatas Qvatuor affectuole ac liberaliter obtulit, ut iisdem in gratiam hujus Milius uterer. Pieras ingrattudinis tabe me laborare judicaret, fi TiBl id reticerem, qvod Vir Honeftssson nunqvam publicastet. Omnia smul in Tua commoda, qva ex publico commodo Tua iunt, redundant, & gvodi in-Inper Conatus meos TIBI inferviendi qualescunque in bonam accipias par tem iniqvi rerum æthmatores me non deterrebunt, qvin propediem Tibl Tentamen de PISCIBUS, qui PULMONIBUS gaudent, ad justum numerum & ordinem naturulem redigendis exhiberem.

Elsanus in Prefat.

Nunqvam omnia omnibus placent, aut fludio videntur digna omnibus

I ANATOME PHOCÆNÆ,

AUCTORE DN. DE LA MOTTE; GEDANENSI, M. D.

Tuperrime, die 95, April n. c. 1793- h — 56th Theol. Klein, rerum australium indiapatora — 8d Piscone Annetheus et elevandam vocatus; confiliais hoius Viri finud lialms, ut quam men celebrandam vocatus; confiliais hoius Viri finud lialms, ut quam securatifium cocurrentia adonareatur. Quotiere, ot Progredius huus Sectionis bene cederene, Autores conibilismus hune in finem varios, Americane Finemene richaenes Fuentu in saya Duces notifi Viri Przecielane: Wilughèsira vel pocius Robin, in 18th Pile 3 D. Major in E. N. C. J. L. Tyler Americano vir a Forpas London 168-x 40-5, A. Kabuna in Cali. Tuper a menting to the control to the control finement of the control finement of

I. Pifeis, Femina, prius nobis oblatus, longitudine erat qvatuor pedum ab Extremo roitri ad exitum medize cauda.

Umbilicus agre diftingvi poterat; & loco leviter notato, eute adipeque remotis, valà ejus optime conspiciebantur; distabat autem Umbilicus 7. pollices à Vulva.

Value laters comitabantur rime due, quarum dextrum altera, altera finifirum occupabant latus, Mammæ diche, de quibus infra.
 III. Foramina duo fubrilifilma, in unoquoque rofiti latere Nares de-

fignabant, unumque pollicem cum dimidio ab apice roftri, latera versus diffito.

IV. Meatus auditorius ab oculi cantho exteriori duos remotus erat pollices, foramen formans minutiffirmum. Cetera ad externa pertinentia

elegantiflime deferiplit Major E. N. C. Dec. A. III. Tyfon & c.

V. Admoto jam Cultro anatomico, cute adipeqve separatis, Museuli
vifui se przebeant, qvorum hie deserbere nonnullos animus est.

Linea albe lineamenta aderant a fibris tendinosis amborum rectorum formata.

VI. Panniculus carnosus statim sub adino confinicionem gare used

VI. Panniculus carnofus flatim fub adipe conspiciebatur, agre verd feparari poruerat ob fibras per adipem sparias.

VII. Mufetalorum primite enti Obliquus aftendens, longus, gracilis, fine inferiptionibus tendiniofis, ruberrimus; carnola para duos pollices lacta. Ortebutur in ca parte Sterni, tubi para carrilaginoidi fecunda Colte vez Sterno inferitur; conjungitur aponeurofi fias cum fenpular mimori; fizilitr juxas Vulvam in aponeurofin, que caudam tusque progreditur; sa futur juxas Vulvam in aponeurofin, que caudam tusque progreditur; sa futur juxas Vulvam in aponeurofin, que caudam tusque progreditur; sa futur juxas verificas de la constanta de la

Hypochondria aponeuroli fua tendens, infra mufeulum defeendentem expanditur; fubcillor tandem evadit dorfton petens.

If the Owner tenneme weare dortum prees.

Oriebatus a language defendent of muteclus lastes, torus fere carnoliu.

Oriebatus a language defendent of muteclus lastes, torus fere carnoliu.

Carnee cam artie on Ohis fertis inferebatur muteclu recto, cuius fibre cam artie on Ohis rectus, connexe erast, or fere verifigia leparatoris, presunciare control. I talento ad inferiora accurate inverigiare non prounta, obflabatu caim, partes generales, y que utiertus examinas v.p...

X Transverfalis eft Mufcalus largus; Orichstur à coffis verts, frarecens, munemque peritoneum pares fue aun carnola, quant aponeuratura, terminabatur infra mufculum rechum in aponeurofin far validais, ub ceitam de la mufculum rechum in aponeurofin far valitere provenence.

feriptionibus tendmoliss à lummo Sterm' apice orram trahens, recloque

If Foreign auteur off Mufculus largus, novem coffis infereus dentrication and the state of the collection of the state o

ser a Mil. Aderant & Pellaralis, Xapularis, Rhomboideus aliique, quorum nem, residuata cana plata adiuc inqvirenda; hine Mufeuli inpradichi cultu lant examuna tagaruce. XIII. Aderant & Pellaralis, Xapularis, Romboideus inpradichi cul-XIII. Amerikania (Regional Amerikania) (Regional

v.d., p. termen sugario, sutellina folo viin in tema & craft dita, p. termen su al Monare, satellina folo viin in tema & craft dita pre-pue decrem discrimente actin major manicibio, ti. Tomia biocommunication bilis. Notami, colore vitali inbusta Signam preconfilmant confinamento bilis. Notami preconfilmante discrimente discrimente discrimente observation produce infection faitle.

A Mr. Store same pixton.

M. Mr. Store and a format hences Panceas Glandidan magnam

M. Mr. Store and a format hence Panceas Glandidan magnam

M. Mr. Store and M. Mr. Store Control of the Corpe fine, invenions.

Tun 1000 Format does drying near Lobos: in formatize horum Lobosca in tunning quadam adeat; criangularis figure, fere ut Lobus minimus

Departum in homit

XVI. Veficulan felleam invenimus nullam, sed loco Veficula slius repertus el Ductus mox describendus.

XVII. Delphnus felle carret, omnes ferme, quos evolvimus auctores, fulci autorirare Pinni, autumant, hinc accuratifimam Hepatis fulcepinnus automen, perfuaf, varidem colorem inteflina tenuia occupantem, de bil

lis prafentia tellari. Manum operi admoventes, invenimus Duffum ex Hepare ad Duodenum tendentem; hinc concludinus, excellentiffimos Anatomicos à continente ad contentum (qvod cum pace corum dictum effe cupimus) argumentaffe, ficque bilis abjentiam ex Veficulæ felleæ defocus deduxiste.

XVIII. Verum enim verò, fatis ex anatomicis pater, naturani varios invenifie duchus & Canales, ut defectum unius alterius prafentia fippleret. Ductus iste sequenci modo repertus: In Ductum primo investigavimus Pancreaticum. Facilis ille inventu erat; Ductum hune, cuticulis fuis denudatum, ad intestinum duodenum usqye tecuti fumus, ubi, cum lineas quatuor aut quinque, a Duodeno diffaremos, alius vilui fe prabebat Duchus inferrus Duchui Pancreatico; ambo hi duchus communem in decur-

fit conflittebant. 4. vel ovinove lineas longum. XIX. Ductus novus in Substancia Hepatis oriundus, ibidem in multos & fubriliffimos dividebatur ramulos; gvod Spectaculum omnes adflantes viderunt. & observarunt.

XX. Pater exindo: Phocenam femper bilem in Duodeno pollidere, fat dilutam & tenuem, & qvidem talem, qvalem in corteris animalibus hepaticam pominamus i fegvirur porro: Hune Ductum meriro nomine Ductus Hepatici infigniendum effe.

XXL Ad Partes Generales progredientes, jucundo aspecho vasa sanguifera ab utero provenientia mufculosque perforantia, dein recto tramite ad rimam illam parvam, juxta latera vulva fitam, tendentia, glandulam ibi conflituentia observavimus; & hae Glaudula Mammas hujus piseis format-

XXII. Notum ex Anatomicis: Vafa epigaltrica in homine cum mammariis per anaflomafin conjungi, ut foetu in lucem edito, fangvis ad mammas deleratur. & inde lac elaborerur. Sic & hie Natura hanc fecura eft

Ad latera uninscuiusove Mamme Officulum erat, tres polítices longumnonnihil incurvatum; laritudo vix dimidium pollicem referebat, multis mulculis præditum. Ulus hujus Officuli utringve adhue dum nobis igno-

An, ad Glandulam extra rimam propellendam, ut co melius fugero noffine Caruli?

An, ad fublevandum onus Uteri gravidi? An, ad latera Vulvæ comprimenda, ficave in coim membro virili renitendo?

An. hujus pifcis Offa pubis?

Et hæc funt, qvæ hac vice in abdomine experiri licuit.

XXIII. In Therace mini eft good moneamus, nifi good Diaphragma oblique descendat, nempe a Mucrone Offis Sterni Renes petit; ibi Spinz Dorfi & pareibus mufculotis Abdominis adnectitur.

XXIV. Ca-

XXIV. Caput deinde examinantes, in Meatum Auditorium inqvisivimus, quem multa adhibira diligentia tandem deregimus. Per adipem ad Or perrofum abiens, multos in itinere parit anfractus, ut facile, nifi adlit attentio, diffecari possir. Est iongitudo ejus a fere politicum, crassitues culmum aqvar, quem finul cum Offe perrofo exfecuimus. Hunc --Kkin are incia curavir, cujus ulteriorem deferiptionem ab Auctore ex-

XXV. Exfecto Offe petrofo, novum, ecce, fimul jucundiffimum nobis offerebatur Speciaculum. Cavitas, in qua os latuerat petrofium, cincha achue luo periodio, creum crea objejja cros Verments muomesse; Oculo armaco minatorum lambricorum speciem referebant; affervantur oniaes in Sp. V & figura corum are quoque menz-

An St. tus Lie Naturalis, an praternaturalis? hadicavimus, mind morbofi toto at puce confuciebatur. Vicera faniffima, Meatus auditorius a-n.odum parvus, vitum fogiens. Nihil erofi, aut dilacerati videbatut. Ulus animalculorum adhuc dubius.

An lint, ad mucum aurium, fimiliaque confumenda, nati?

An ad gratam tirillationem nervis mipingendam? XXVI. Ultimo Corebrum & Medullam spinalem, serrato capice, diffraction are the state of the s t ac. Goales, arres into Nares reperci, quorum ultimus fub offe petrofo, of p it tulum incurvatus, infra Forcenellam per foramen ovale nares petit, in there vero in quantum vel quinque diffesicieur ramulos, horum ramulor da duo rollra apicem ambiant, exteri verò naribus largiuntur, ubi in

prigodine quali rete qvoddam nervofum conflituum. Sufficiant, qva hac vice Aliorum labori addere censuimus, modo 2qvi, bourque confulantur.

XXVII. Die XV. Maji alius nobis oblatus est PHOCÆNA MAS, qui etam Cultrum paffus est Anatomicum.

Qvod ad externa attinet, rima inflat Vulvæ duos pollices sub Umbilico confincichatur, erat illa Vagina, in qua latebat Ponis.

XXVIII. Incilo Abdomine Hepar examinavimus & Ductum noftrum fispra dictum iterum invenimus.

XXIX, Plurimum verò .cemporis investigationi impendimus Dutius Timac,

Later iste in regione finistra, finistro sub rene, ubi glandalæ juxta A storm descendentes confpicus funt; his in glandulis nafeitur Ductus huta. Oriso, & fub Aortam l'emper afeendit usque ad Collum tendens, ubi, nı fallimur. Vena inferitur fubelaviz terat vena fubelavia maturius diffeta). Norandum inprintis comitari Dodum Thoracicum yas quoddam Serotan & fupra ductum quali fecundus excurrit ramus. Ne hic productu Thoracaco fumatur, cavendam; progreditur ifte fipra arterias intercollales.

T. IV.

fig 6 a

Fig. A.

XXX. Vafa Genitalia: Penis in vagina recurvus latens, longitudinis duodecim fere polheum. Ad latera penis fimilia aderant Officula ut in fenina. Tefficuli in abdomine ableonditi post Sectionem in conspectum venerunt.

XXXI. In capite vermiculorum lumbriciformium amplifitma copia, iterum iterumqve fins locis reperta, ut & Meatus Auditorius & nervi ad Olfatham.

Hucusque Dochffimus de la Motte.

Additiones.

Ad Num. 1. Femina longitudine erat quatuor pedum: Inter pifees qvi vocantur Ceracei; Turfiones minima funt magnitudinis; rariffimè enim Ulnas duas cum dimidia, five pedes qvinqee, cutiuscunque menlitra, liberant; in eo quoque a Delphinis differunt, qvi izpuss decem pedes execulunt.

H. Foramina duo fubriliffima - Nares : vix tantillum amplitudine perexigua different a foramine pone oculos utrinque unico, quod est mentus auditorius externus. Illa, Olfactoria foramina, pra auditorio fingulari charactere a natura funt donata: Singulas enim Olfactoriis fetula alba five criniculus Jetaceus quinque vel fex lineas longus, incurvatus & unicus, qvalts ex verrucis faciem hu-manam aliquando infeftantibus oriri folet, alte inharet; tales criniculi in pilcibus annofis raro non derafi; in fœtu vel edito vel exfareo temper adjunt; in diffectis verò pifcibus non agi in mare ad unicum foraminulum ejusmodi obfervavimus criniculum illæfum, addidi alterum Tab. IV. fig. 6 ubt litera a) indigitat par foraminulorumOlfactui pro externo meatu micrvientium; lit.b.b.b. funt tres nervi detecti, quorum unus alterve pro Olfactu. Quousque foramina modo dicta, five Nares, fera porcina explorare portunuis in figura A,lit. c, d, cornere licer, quippe corum ductus in rese quoddam nervolum vel in extremos quali ramulos ramolos & implicatos nervorum b, b, b, super rottrum ex foramine in Offe frontis lir, a). inverto autem Cranio fig. B, ex communi quali flipite e c e, radicato in cerebro, procedentium terminabantur. Hinc eft, qvod hulus recis nervoli constructio proprer teneritudinem itism in adipe curatius observari vel evolvi non potuerit; nihilominus tamen nulla dubitandi ratio intercedit, qvin foraminula bina utringve externos meatus Olfactus abiolyant, & detectorum peryorum vel

alter vel pluires relique officia femiti Olfactus prefient, eriami Cechebrrimus Rgiu apud Willingbirgiam p. 22. duo foramin fillusio canti piticia nea milipulme inter Artificial autema Lio. H. Horn. Amur. np. 4. Plumir E. N. XI. cap. 37. Oct. 20. Olfactus velligia negoverini. Plumir E. N. XI. cap. 37. Oct. 25. Olfactus velligia negoverini. Plumir E. N. XI. cap. 37. Oct. 26. Olfactus velligia negoverini. Plumir E. N. XI. cap. 37. Oct. 26. Olfactus velligia negoverini. Plumir E. V. XI. cap. 37. Oct. 26. Olfactus velligia negoverini. Velligiam et al. Velligiam et

Meatus auditorius - foramen formans minutiffimum: Qvod ad Delphinos in specie attinet, Plinius scribit: ad Delphinos in specie attinet, Plinus scribit: "Delphinun "audire manifestum est; nam & cantu museemur, & casiuntur sattoniti fono; quanam audiant, mirum; ... & Rajus de Delphino apud Williaghb. p. 23. "Nullium meatum, negve ad "odorandum, negve ad audiendum haber, ii Artiforeli eredimus, "cum tamen odorari & audire certum est. At meatus habere, »Qvibus audit, nos ex Anarome deprehendimus. Hi poft ocu-31 los funt tenues admodum & exigui, veluti in vitulis marinis. "& multa pingvedine circumrecti, ut vix appareant, fed in cal-"Varia auris internæ conflictatio rote manifeffa fit., Aff in Phocæna mernifimus Raius infe meatum auditorium non observavir. Philof. Transact. Epst. 11.842. ibi: .We observed not in this , fish any Ear-holes or meatus auditorii at all, where in also Arisoloreles sgreath with us &c., & apud Willinghbejum provocas ad J. D. Majoris Observationem 20, E. N. C. An. III. qvi Offis petrosi, obscuram licet, figuram dedit. Ut itaqve omnia paulo clarius elucescant, follicitius pro meo modulo fingula ad Auditum pertinentia investigavi, infimul iteratas aliquando, prodiverio relpectu, figuras fieri, easdemqve in gratiam Curiofo-rum in are incidi curavi. Ne autem in longum & latum, contra inflitutum, dilabar, mox figures ipies, quantum fufficit, explicaturus.

Fig. 1. Integrum os perrolium a parte, qua meatus auditorius ipfi infe. 7. Iv. rutur; ubi fit. a la particula curis perforata. Foraminulo externo Fig. 1 immir tenuem letanp nortama, que in canalem, coloris ex albo in ceruleum vergentis per b, ultra o) intraba. Craffites hujus ductus curic argonomi litera e) apparet, qued teliquim eff., adipe gradaneans involutum reliquis contenuar 13/ont Photasa D. 16.

Fig. 2. Idem os petrofium a parte avería confpicinum.

Fig. 3. a & B alind os petrofium cafú ita divilium; ubi liz, a) malleum rg. 1.

D 2

cum tendine fuo, lit. b, incudem, lit. c, stapedem expli-

y est pars aversa dimidiati Ossis perrosi hujus sigura 3sia sub lic.

3; ubi tria apparent foramina: a, communicat cum b, & c, est-

que illud idem foramen, gvod a, fig. 2.

Fig. 4. Fig. 4. a. Facha commoda apertura offis petrofi malleus a, altero procedfu in rimula b., quali in alveelo mobilis, altero autem procedia offi orbiculari flupelis perforate; i acumbons sub librer ad, rende fun far valicus, qvi tamen una cum incude pingi non potuit ad eviandam contintenem luies é umbez. Ad literatus d. Feparatim exhibeto a, malleum, b, officulum in qvo alveolus finitir procedius mallel, c) vero incudem.

F57. Fig. 7. Cochlea a fuo tegmine denudata, in magnitudine naturali; foraminulum a) fig. 7. axem cochlea transfens terminatur in fora-

minulo, a) fig. 9.

Fig. 9. Cochien eadem (tib microfcopio picta.

Fig. 9. Pars offis perroft (que eft figure 3 y, b), fith oculo armato deluncata, vices ni fallor fubric videtur Labyrunthi; foramundum
a) fig. o. meanum communicac cum lin. a) fig. y. & 8: lijt. b) ve-

a) ng. 9: the attain communicate cum in: a) ng. 7: & 8; Jir. b) vero eit canalis in foraminulo ad bafin flapedis extens; c) nervo definatum foramen.

Hac funt, qwe circa organa auditus Phocanæ obfervare potui.

VII. De fibris mufcularibus Balene vid. Phil. Transatt. No.

267, p. 136. & aliorum pichum No. 268, p. 101. Craffiores & longiores funt Pitchum fibræ mufculares, quam animalium in acre

witerstimit quare? vid. Ibid. p. p6-198. confer. Nam. 371. p. 75.
WII. Dohbano felic carve a currer simulation. Applicates the 2. Lift. Animal. 199. 18. Camelia Delphino minima.

WII. Dohbano felic carve a currer simulation of the conference of a quivostadin aris, & Elimut X. Qu. 37. feli. 7. Belli S. Ibid. Animal. 199. 18. Camelia Delphino felic de

imposuisse videtur, Phocanam felle, ob absentiam vesica fellea, carere, quod non meiderunt in subsequentem Plinii textum, qui paulo post, nimirum Self. 75. difertis verbis scribit; ptibus portione maxime coprofiem (fel) & pricibue; eft autem plewright toto int. Hino, ficut Accipites make; pratered in secore off " Letts omnibus; citules acidem marines ad multa quoque nobile., Hinc Daas de la Morre: Illustres Autores a continente ad contentum argumentaffe. Audiamus ettam Hardunum in not Plin. Seed 75 ad verba, virulus gentera, ibi: "Ea quoque anismalia, que veficula tellis deflituantur - affirmare vifus eff (Plm.) felle carere, hoc eft, eo fellis velículo alterum mhilnomi ius habeat bilis receptaculum, quem wogov vocant, cana-"lemqve biliatiam, qvi ab Hepate recta abit in inteffinum - funt adguar bass feu fellis vata dan Veficula & canalis Prius vitulo simirmo adimit, Philosoph. Lib 2. Hill animal, cap. 18. - poafter it, non negar, ettamfi canalis bibarus non rechabiat in mrefinn n, ted ductui Pancreatico inferatur; Conferatur inluper C in Simi Wygandi Objervacio in Supplemento IV. Collect. Vratisl. il and e pag. 12 Artedus quoque in Phil. Ichtyol, p. 30. Velicam tellis in omnibus piscibus adesse scribir, sed ad fitum fuum diversam, ut in Cartilagineis ipfi Hepati immersam; idem est quod Ron ieletius Lib. III. cap. XX. "In quibus Hepati ipfi (fel) adshæret, vel est in ipfius finuma parte per venulus bifen trashens, vel in ipfa est hepatis substantia & in ea sie, immersus

se Obrutus, ur vix apparent, nul conqviras carvolius, XI. Glandula Mamma hiyui spiris format, artifat, tah x ac #EHR. An. cap. 45. Delphinus non habet papillas manifeltas, quadupedum modo, tod elular vivulos dosa utringve fingulos, cx quibus lac hiut, quod a fecharibus cavulis lugitur. Ramilett. Lit. HI. cap. Xelf pulli separent in ornolius enim diligener production and production of the production of the conspirate production of the control of the conplex tratura, ne que production of the conplex tratura, the control of the conplex tratura, the con
spirate in Eadem partitum fibilitatin annual modulo fix dei, pean definentibus. Lac compression experiment, quod caruli pean definentibus. Lac compression experiment, quod caruli

Sore excipium, Couter, Tyfonis Photena p. 28.

XV. Vermittiis immonris, Duo corum in mognitudine naturaii, terrius, qui longifimmelle di, film merdecopio, prili, Tab. 7. iv.
IV, Fig. 5. abis plures, plerend film faterum; sili videntur 19-5mares, hi Femines quod erium in lumine da Luporum obiena
vi, Tronadi. Anni Vol. XXXII Num et al. Luporum obiena

In medio corporis transparebat lines longitudinalis spadicei co-

. . D.

loris; ceterum vermiculi, teretes, infecti, & quali grapulati funt-Si calculum probabiliter addere licet, relpublica horum vermium fub fingulis Offibus perrofis numerum millenarium longe fupera-

XXVI. Medullam Spinalem. Haue cum parabus XXXVI. nervorum folutam & in Tabula lignes explicatam confervo; Cranium quoque alterum Phocana maris na praparatum est, ut non folum meatus auditorii, verum eriam nares, prout delmeati, illaficon-

XXVII. Penis. Hujus figuram cum altero testiculo & vesica, dimidio abbreviati Fig. C. Tab. IV. oftendit; ubi a, Tefficultis, T. IV. b. vesica, c, vasa feminalia, d, Officulum alterum, quale ad Fig. C. latera mammarum Feming num, XXII.

XXIX. Ductus Thoracici. Hunc ex mare ad naturalem magnitudinem delineatum publici juris facere operæ pretium fore judicavi, Tab. IV. Fig. D.

Ibid. Vena subclavia masurius dissecta. Ante nimirum, quam de invefligatione ductus Thoraciei cognaverames.

nec non Caput Afelli maximi, pauco Sale condita mihi obtulit. De Afelovice lupra pag. 21. §. XXXII. btam habemus. Galeorum capita pronunciabam; fed affeverabat Nauclerus, Capita esse Rajarum, carundemque Corpora in pinnas continuas, Aus, Capita effe Rajarum, carundemqve Corpora in pinuas communas, nibre Rajarum, arenuara & ab uno extremo ad alterum quatuor circiter pedes lara post anum appendices, caudamqve densis aculeis muricatam, habers,

In Supina Capitst parte observavi membranulam, qvam Rondeleqvalis & m Galeo Acantha allisque Canneuls. Pone oculos foramina ample, rot. ... pl. rotanda, in os qvidem permin, ied firmel, valvula fatis valida intercedente, Cum Branchiis pronis communicationem labentias exinde colligo, qvod piles his toranimbus plurimam aqvæ copiam, ad pultum, excipiar, quam per Branchias rurius expellat.

denubus miruclæ, deleribum obenium angulum in medio. Dentes, c In prona parte Os magnum. Mandibulæ arquatæ innumerisque radice furitin ad medierarem usque cavatz, mox in cuípides acutifilmos, ha hatos, reflexa. Nares, ovate figura, in longum & latum producta, velur ex duplicato pecline, radus undularis, contructa. Reliqua externa manca & truncata in fulpenfo religys, the freus, fore, ut aliquando velinteger pilcis, vel caput omnibus luis partibus integrum, ad manus meas

Aperto Cranio cartilagineo laceraveram Meningem; reliqua jucundum atpectum præbebant.

Cerebrum reni-forme; Cerebellum fert Cordis figuram; ambo appropriatos fibi Nervos Olfactus, vifus & Auditus diffuncte ipargere videntur ad definata loca; a permoribus curatius obtervandos.

II. OB-

Ex

II. OBSERVATA IN CAPITE RAJÆ. ense Novembri 1739. Nauclerus Gedanensis, mihi familiaris, Bur-

degalia redux, duo Capita Raje, fed in roitris, queu uonco, ad latera, prærer intentionem tuam, a Sodalibus navis mutilata, ad latera, prærer intentionem tuam, a Sodalibus navis mutilata, De Alci-

SENECA.

Bonarum rerum etfi fuccessus non fuerit, conatus ipse honestus est.

Ex medulla spinali rami, serie duplicata & dense in substantiam

Cranii parce illa detecta, quam fufpicabar fedem organorum Auditus, loco veficule, qua maxime diaphana in pilebus ipinois et, offendi retteclum quodam ibbitle expanium, retto Eucarum confuta quodammodo fimile; fub quo lapilli, quos ad organa auditus pertinere recor, lete manifellubam.

Ex altero Capite Iapillos ipfos folvons, ecce experimentum improvifum: qvippe, inter digitos pederentin lolvebatur he dicta Iapillus major, in tidistantam fifialmanto coloris albi Pictorum quam fatullinam facceffive abiens; hine eft, qvod intaclos reliquerim exteros, ut fitum corundem naturalem exhibere integram multi manerer.

Onni cura omnia picta, fingula quoque ezlo curatiffime expressa T. VI. funt in Tab. VI. Fig. 1.

No. 1. Mandibulæ Pifcis ad naturalem magnitudinem. Sub inferiori Dens, furtium ad medictatem usque cavatus.

No. 2. Nares

No. 2. indigitat Oculorum regiones.

Lit. A Cerebrum.

B Cerebellum. C Medulla (pinalis.

No. 4. Thalamus lapillorum a latere infpectus.

a a — Idem a partibus tam prona qvam fupina. b — Lapillus major.

αα. Loca fecundi & tertii paris lapillorum.

ec - Canales, quos percurrunt fluctuantes nervuli diapham, convenientes, ubi litera d & c.

f. Nervorum par, ni fallor, ad oculi regionem tendens. g. Forte nervi olfactorii.

No. 5. Corpus quod vices offis petroli fuffinere opinatus fium. Ejus iubflantia Carrilagunea cultello, qua fieri potutt, atrenuara; detechis inluper canalibus flexuofis. Sub reciculo, quod integruna, latitant lapilli. rums, Jam confideratis & Censcorum, & Cartilaginorum, & Spinofiali fic, vocantur, Elgiam Organi Anditus, corundenque iedibus, pada fic, vocantur, Elgiam Organi Anditus, corundenque iedibus, pada stat, in illus fongulorum genera a fi invicem differre & fractura & inbassac, in illus fongulorum genera a fi invicem differre & fractura & instatus vere office, de comparati poffunt,
Esudent, ad infine ali forothus visual interest processing posture,
Esudent, ad infine ali forothus vere disposite comparati poffunt,
Esudent, ad infine ali fine ali fine and interest posture for a fine and interest posture.
Esudent, ad infine ali fine ali fine

cle eff. Ex ancea diclis estiau patchic Cartilagineorum lapillos circumpiement traglacidos, & Cavondum eft, ne crasimian ante aquea anacestuoris, snedum al longum tempus, committatur, quam lapilli, quos iectaio-dependenti fuerinta Hi midionima leviere digiris tauquedi, ne vel Surroute experient fum.

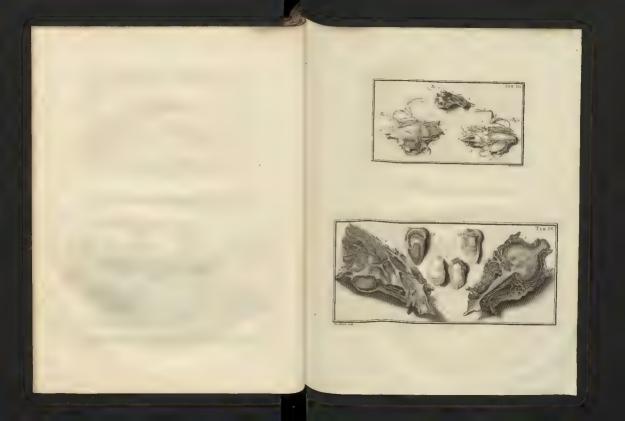
RELIGIO MEDICI

Eighth Edit. p. 7.

The world was made to be inhabited by Beafts, but fludied and contemplated by Man: 'tas the Debt of our Resion we owe unto God, and the Homege we pay him for not being Beafts.













IACOBI THEODORI KLEIN HISTORIÆ

MISSUS SECUNDUS

PISCIBUS PER PULMONES SPIRANTIBUS

IUSTUM NUMERUM ET ORDINEM REDIGENDIS.

ACCESSERUNT SINGULARIA:

L DENTIBUS BALÆNARUM ET ELEPHANTINIS,

II. LAPIDE MANATI ET TIBURONIS.

Horatiu:
Delphinum fylvis appingit, fluchbus Aprum, qvi variare cupit rem prodigaliter unam.
CUM FIGURIS.



GEDANI, LITTERIS SCHREIBERIANIS. 1741.

Cic. in Oratore:

Aggrediar, non tam perficiundi spe, quam experiundi voluntate.

GENEROSO.
MAGNIFICO: CONSULTISSIMO.
D O M I N O.
DNO. DANIELI.
DE.

SUPERVILLE.

SERENISSIMI. PRINCIPIS.
CELSISSIMI. MARCH. BRAND. CULMBAC.
CONSILIARIO. INTIMO. ET. ARCHIATRO.
PRÆSIDI. COLLEGII. MEDICI.
QYOD. BARUTHI. EST.
DIRECTORI. MINARUM.
RERUMQ. MEDICIN. ET. MINERAL.
ACADEMIARUM.
CÆSAR. LEOPOLD. ET. REG. BEROL.
ME MBRO.

Nominibus Tuis

missim bunc inscribere justit Amor, jubet Pietas. Singularis Favor, quo me, Tibi nondum quidem cognitum, amplexus es, & quo duce ante lustrum, ac quod excurrit, ad lares nostros, vel mecum colloquendi gratia, descendisti, conciliavit Amorem Tuum. Hoc nibil svavius mihi cadere potuit. Animum adjeci Amabilitati Tux obstrictum; &, quod nemo Tibi præferendus Fide, Amor Tuus tam altas

altas egit radices, ut Bonitati, que parentes facit, equiparandus sit. Publicum proferam documentum: Sollicitius egisti, ut CELSISSIMO FRIDERICO MARCHIONI BRANDENBURGO-CULMBACEN-SI, PRINCIPI OPTUMO placerem, cum Tibi me adeo placere voluisti. Nec sufficit; Omnes simul curas, ne qvidem rogatus, defixisti în salute musei olim mei; good post fata mea servari in ævum aliter non potuit, gvam ut in thefauris PRINCIPIS deponeretur. Depositum servasti gratum acceptumqve, cujus funt indicio fingularia pignopignora clementer mibi collata, que in PRINCIPIS GRATIOSISSIMI perpetuam memoriam posteris meis commendabo.

Postulat itaqve Pietas, ut arrham Tui Amoris caram grato pettori, qvod dignius rependere non possum, animoqve tenerrimo recondam. In cujus auctoramentum accipe pagellas bas pari benevolo affectu, qvo me in arduis prosequeris. Vale, & qvidem athletice; Vale diu, meque amare perge. Dabam e museo XIX Calend. Februarii MDCCXLI.



PISCIBUS, PER PULMONES SPIRANTIBUS,

IUSTUM NUMERUM ET ORDINEM NATURALEM REDIGENDIS.

6. I.

om facile infectes bit, quod in Hilbaria naturali fludii labor fit infinitos, menasque olinoxius, quandoque anni ber himitiros, menasque olinoxius, quandoque anni lesubats, a) hime i monente Routeteres), gomina cite, comprebanda, qui, tot tamque maranda fitin natura sopera, vi mondum onasa permas, estama dil, generalimis, peripici posterinti, emperque refitte silqua pervefitenda, Hoc adoc venim, uti longe abiti, qui probe novera, qui vel prunis labeis accipert. Pferim negotio abitos i polite. Accedit antiquironni veque et temperatura velocitati antiquironni velocitati antiquironni velocitati antiquironni velocitati propriori propri

, wit, ut nimium rribucriat autornatibus, fieque spreto Natura libro aberstaverint. Multz exinde sur enaza hallucinationes, unde suspecta redditer multorum pissium bissoria.

a) Constant citch, errit, kinnau in observat, ad Reguma animale No. 2.

b) Eph. M. C. G. Des, 11. En. V. p. 476.

§. II. Ut filencia praternavigennes pifees inchtos Joannis Cube, qvis unquam vidit Scolopendram cetaceam? cujus formam Randelerius a) bona fide exhibet acceptant ab its, gvi in India ralem pitcem vidiffe affirmatunt. Qvis, qualo, crederet Ludovico Granatensi bi qua de cete admirabilis forme illiberaliter narrat. Ovid fibi velit Balana mujculus? ignoramus. Nemini Balena vera mustelarum more barbata unqvam fuit obvid. Ova ratione autoribus indiferiminatim ceracei audiont Balane, hathramus; c) neque certi aliquid de Balenis in urraque mandibula dentatis affirmare polfurbas; d) adeo incompiera en europe institutous antenue pointina; al europe institutou antinatum, hilloria. Qvid de filtuis in eure duphicibus, quandoque nurabilibus, dicendum? Non pofitumes non meminille terreta, Rondeletti v) "Dohos, Fiftula pifcibus gvibusdam, per pulmones ipis grantibus, mestus five ductus, quo ipiritum- liauriune, & aquara in oca "collectam rejiciunt, ab intima palati parfe ad extimam perforarus, duplex, leptoque,diffinclus, nariumque noftrarum foraminibus ad palatum "deductis quodammodo proportione respondens. In extima parte NB unitum for anen apparer figura Chtera, in quo operciduni ell, ex carne "pingvi fiffulis impolirum, qvod cas aperit & operit, - Hic obiter reprehendenda eft ejus audacia, qvi Sueviz picturam edidir; fiqvidem Balznas "canalibus adeo eminentibus expreffit, ut aures effe dieas, quo fit, urplura alia ex pictoris potius arbitrio, quam ex autoris fenrentia depicta effe peredam, ut ex aliorum pifcium figuris conjicere licet.,

- a) De Pile. Lib. XVL can. XV.
- b) to fue extechifore ad finem cap. XXI. Lib. XYI. de creasione mundl. Conf. M. A. Severinne Zessomin Barre SV: p. 134- Se Cinf. Exet. L. G. c. 16.
- c) In tantum Rendeler, Life, XVI, eap, XI dubitum collet; "Antiques, feiliert, Balenet anomine anicam duntagat belicam intellegiffe, are nuna pifestores Santoniel & Hi-, spari, ad Phylereres & Oreas allerque pragrandes & Brixon perfemiles before wasnitioning in
- d) Porfan Orsa occasionem dedit, introducendi monnulfas Baltenas in utraque mandibula dentates; Sie Galzens minor an utraque mandibula denten sibbalde, non mili orez eff. Et fit revera dentur Balanco toler, corum tomen bifloria valde incompleta asque adhue eff-
- e) Life III cap. X, conf. infta & XXXIII. in meris b)

Vercor, ne eo referenda fiar, qvæ Sibbaldus in Phalenologia de Balants duptici fiftula infiruétis nobis reliqvit; qvem viri ia tehthyologicis celebres fecuci funt, unde: Balana duplier fiftala in roffro; qvz

Sibbaldo dicirur Tripinnis, nares habens cum rofico scuto &c. fiftula duplici in fronte, qva Sibbaldi: Tripinnis maxillam inferiorem rotundam &c. habens; Porro Lincksi: a) Balana fillulis mirum in modum ad Nares, inflar cornuum cochiearum, qvz vulgo audiunt, promi-nentibus; & plures variorum autorum. Forte præter corum culpant ejusmodi fiftulæ præternaturales talibus pifeibus inferiptæ, qvod vel minus accurates nach finat figuras, vel frivole pictas. Forlan & Sibbaldus non vapulat, fi per fiftulas duplicatum fontem vel duplicem ductum hydragogum in cranio indigitare voluit, in cuius locum alii duas fiftulas in extima parte capitis, cutem dupliciter perforances, introduxerunt, ficque in notabili veriati funt errore; & quidni? Si enim Balana, alias Finfifche. b) fimiliter Nordkaper, e) ex omnium autorum unanimi confeniu, imo Delphacesvel Porcelli marini d) & pilos Naruhal e) unicum foramen in cute, all duplicatum fontem five fiftulas duas in cranio habentnecesse est, ut quadruplices fistulas supponas in cranio illorum piscium. qvorum duo diffin^aa foramina in cute, per qvz ejaculantur aqvam, ur-gere, vel etiam Wornif, Tulpri, &beuebzeri & plutium autorum figu-mas feqvi velis, qvi Narubalem pirtum exhibene ex duabus filulis aqvi diffinctis radiis rejicientem, (Valentinus ex tribus); qvod tamen nemo facile affirmabit, nifi qvi ejusmodi pifces vel eorum crania, nec vidit nec objervavit. Multos iraqve fefellerum minus accuratæ figuræ, qvibus non flacim fides danda, alias & apud ipium Rondeletium Priflis, pi-leis Cartilagineus, cum fiftale in capite pichis, mox degeneraret in pifcem Cetaceum; quem ipte Rondeletius pro tali habuit. f)

- a) In Collett. Fraciel, Timesen X at ch. p. 77.
- b, Vid. Mie und neue Gebitandifche Giftherey Part II. eap. VIL
- c, Epil Cap, S. Spei p. 205.
- d) Vid. infes & XXIX & S. XXXI, in neth.
- e) Vid. infra 6 XXC
- D Lib. VI. cop. XV. Aldrew. de Ceris y 692.

Unde vero Rondeletius, & qvi eum fecuti funt, relatum habeant, Oream dentibus laris & serratis instructum esse, nos omnino larer. Vindicabimus Orcam, haddenus pitcem erraticum, in Familiam Delphacum; quem Theodorus Hafeus Leviathanem, i. e. Balanam omnes reliquos ma-Ruitudine & formidine superantem, flatuit; nec oblivitiemur exhibitionem cranii & dentium hujus pifcis.

Sane, & noftris temporibus Narrationes aliqvando funt vagæ; qvædam fallæ; qvibus, fi illico fidem habemus, vagam utiqve concumanus
hiftoriam, ne dicam plaus fallam. Exemplum fit narratio inter Nova
Beralinenia Amus 17-20, No. 12, velsar, se

Brotherific Anno 1730 No. 121 relate:

"Pietorers Almeidenies in peru Ulifiponenii eedem anno neesifie
"Bletzman, culus longitudo iui 65 ped. craffiries 32-silcitudo 10"Oris autem oreumicennia 32-in qvo VI. homnes creel commode conflate potuerunt. O denrisus fuit infinelcim NS. CCXL.,
"yovorum XII. NS. VII. ped. religiry III. cuu dimidio pede. Ia
"lummo casite filitud auta- oculi o rollices loori; corunore di-

equipapinus XXVI ged.longs; lingva pendera 4718 libra. Virga
scorres imperatus (16), clium crillium ex adipe afroci libras,
libras,
libras, libras, libras, libras, libras, libras,
libras, libras, libras, libras,
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Hzc & qvz plura, qvibus difficultatis silqvid fubetie tifpicio čoret, futficienter probant, qvod in člinibili, prout vel coco mainieflum fit, Statteres usqve adduc verfemute; Ideo non parum fuinus follicin de conquircutis labidis & drijumentis, ur viam nobis aperiremus telufandi, & pitces, qva fieri poterit, ad naturoleus ordineus redigendi, qvos merito antecodnet PECCS, & deidil. (ETACEII.

Haffin, II. 67. occasione Balana anno 1672 in Fionia capta.

Operam hane delulam exclauent, qvibus conflat, id jplum maxima ex parte jam prælikum. Sed force cos latebit, hand pauen magis fidenter qvam være tradiæ efte; qvod tamen cum pace likultivam & Doctiffimorum Viborum in medlum prolatuma volumus; magist rifecimes eliconomistrications.

rum lucubrationes, vigilias & fudores, quos, nullis difficultatibus deterrici Orenne (uffinuerunt, ut Historiam pilciumnaturalem, etfinondum ex omni parre, promotam redderent; imo, veritatis immopere fludiofi. peramaturer cupimus, ut Virs in Historia naturali confummats propositiones noftras, nondum qvidem abfolutas, fi folvendas judicabunt, abfolvant, corrigant, amica manu rejiciant, meliores impertiantur, - & opella huic govi bonique confulant, in melius vertendo hallucinationes noftras. Interea non omnem fpem profligaram credimus, fore, ut opera nostra vel aliqua ex perte prodelle politi, minimum illis, qvi in hoc îtadio historiz naturalis vel parum, vel piane non, verfici. Nantium a) qvippe gre-gem in talem ordinem êtad epismodesbaraderes redigere periculum faciemus, qui non facile fallere quesat vel illos, quorum ope indigemus, non Jolum ad adipircendos pilces ex diverfis maribus, fed gyogye ad addicendam horum Hilloriam ex illorum observationibus & relationibus; qvz. fi folidis pituntur fundamentis, facem preferre poffunt lebtyologie critice, no Apros in mari pro pilcibus venemur. Hoc with habet juffer reprehenfionis. Natura enum fimplicitate fua ordinem a fapientiffimo Creatore fibi preferiprum fervat fequiturque plane abfolutum, quem, fi nimio fludiorum ami-In hollarum exhibemus, difficulter affeovimur, gyiqimo fludiofe negligimus. Ordinem sgitur naturalem fecuri, indoctam gvidem fimpliciffimamove methodum ex illo petendam experti filmus respondiffe votis nofiris de longinque adimplendis, respondisse simul in lehtyopoliss nostris; undique enim pifces desideratos, citra periculam frustrationis, nacti fumus ex manibus plebeculæ gentis , utriusqve lexus,

a) Quarant definitio in Niffe l. §. l. Conference policiero definitiones Grébies Bossi ap.
Williamble & brasil arrede in Adr., firm form.

Vix enim, se me vix gyiden). Nautéaus Gestew edoGan redderes, qu'il ex gr. fibi velint: "Piés Cétacti, Cartiloginé à Spisofi ; can vel Embiter hec dispolito dispondo, de tudieus prévolem imposité, ut piétubus rétactie anumerante ex genere Phoseuws tounal Matati, mainelena viale de hominum genio les accommodans, pilotium, in offis fluminum precipies fabitant. Agrundine es lags veletem à). Taure ven Astilie, Talonte, Augustier, de committaceire de production de ven Astilie, Talonte, Augustier, Stelliera des qu'il nespire branchias habens, as colontul de oujuni flum; committaceire cun Carabate, la laute, de principa de la laute, de principa de la laute, de qu'il nespire branchias habens, as colontul de oujuni flum; voracifinatque bellux films, plumaum norrendis dertules intractie. Hanc confisionem jam Pandar Voraci (l'intractione de pilotta, quem de la comme carete, fire duce me de la comme d

"nature formatus, quoniam pifeibus non alatur; ridiculumque fit dicere. Sturionem in pilces graffari per ipfam tantum lafeiviam ...

a) Vid. Wiemer Mufeum p. 1 8; Cluf. Ener. aliosque nuteres paffim, & infra 5. XLIII. fond. b) Kalb. Cap, B. Spei p. 203. Randel, p. 401.

c) De Romanie pifeibne Cao, IV.

Minus a recto tramice aberrabunt, avibus familiaris facts fuerit fimpliciffima Difpofitto, quod alti gaudeani

& gvod Pisces

EULMONIBUS præditi fine omnes, qvi Fiftulam (vel plures, fi verum) in fummo capite habent, unde aquam in ore collectam cum impetu rejiciunt; sub cute glabra & facile vulneranda adiposi, caudaque constanter hortzontali; bremus: Pilces, cure glabra, adipofi, cauda horizontali, aquam haustam per fistulam in capite cum impeturejicientes; ita enim e longingvo dignolci poffunt ; breviffune : Omnes Phyleteres i. e. Flatores ; nam Ougarn Flatorem fignificat, & Helychio Queensie fistulam Pifeium Cetaceorum denotat. Porro, gvod PISCES BRANCHIATI duplici modo fint confiderandi; vel cnim

Spiracula pone CAPUT BRANCHIARUM Opercula in CAPITE

Spiracula fita funt vel Jad Larera Thoracis in ipfo Thorace i. e. in parte corporis propa-

Vixac ne vix quidem branchiz per spiracula pone caput palam conspicuzs sum, fed fub cute tenaciter latent, falcim per inciluras lunatas conflanter quinque. vel per foraminula, aut oblonga aut rotunda, five unicum five plura indicara. ac non nifi violenta manei, & cum interitu pifeis deregenda; hine talium piscium BRANCHIAE, sive in capur vegerent, ut in Anguilla omnium autorum, gvz Artedo Murzua eft, five in lateribus vel in thorace radicatz jubliflant. nobis audiunt

OCCULTÆ five OPERTÆ. Opercula branchisrum in capite piscium burcas constituunt; suntque (OSSEA five fpinofa) MEMBRANACEA | ad pulyum a) mobilia & aperibilia, fic, utfine difficultate vel discrimine vita observari & numerari possint BRANCHLE hine nohis:

DETECTÆ five APERTÆ;

&in hoca Rondeletio b) aca Severino c) recessimus, qui ordine inverso Branchias in capite OPERTAS, fpiraculis vero pone caput donatas APERTAS dixerunt; Nihilominus cuilibet liberum manet, loqvi cum laudatis Autoribus, dimmodo diffinda habeatur ratio branchiarum , qvas vel Opertas vel Apertas falutaverunt. Pilces in Nuce omnes exhibet Tabula prziens: PULMONIBUS; quorum universalis Character: Foramen, aliis

Fiftula, in fummo Capite, unde aqvam cum imperu rejiciune. Thb incifieris lunatis, conflanter PISCES [poneCaputs] urrinque [inb forammulis] oblongis [unico vel vel rimis [rotundis] plurib.d.] vėl gaudent BRAN. imparte prona; fub incifuris confianter qving; flip operculis offeis veturi in buccis in Capite; apertie, fub operculis mem- speribilibus. branaceis

a) In saimalibus terreficibus pullus cardis quadruplus dicitur dum femet refigirant; cum vero eirea pifes hae res nondum fit expedita, ducunus opercula ad pulfum mobilia-

b) De Pifeibus Lib, IF, p. 105.

c) De Respirat. Dife. Difp. L 2. 220. d. Aredus Phil. Ithis, p as Petromyzum i.e. Lampereum pon habere branchiat titt, fed Bulmonts, "forsmenque in medio caphe-duftu commun inter cersora palmenam Mongitudinaliter extenso procedere, & com aperturis pulmanum interius procus dabio meammunicates. Id Defer, free. 9. 14'5 in Ordine vero timer. 19'10 9. 64 feribn : oved Petromyzon foranina pulmonum feu branchiarum utmogee feptem habeat. De hoc pifee in Al-ffer 17 L

Res, pro hac vice, nobis erit cam PISCIBUS, qvi PULMONIBUS przditi; gvos omnes (6.1X.) PHYSETERES appellavimus. Ne autem novaminis reum nos inculpent, qvi magis delectantur nominibus, qvibus indeteriminatim uft funt antiqui : Cetaccorum numirum pifeium, & Rellugrum marinarum, lubeuter rationes fubiungere volumus, quibus permori nomina illa deferuinus. Novimus Cetum communiter fignificare omnem pifcem majorem, qvi catulos parit non ova ponie, cum tamen in co Ibnio & Canes Carcharia, + Galei &c. forent Ceri, vel pilces Ceracei, i. e. carulos vivos, (codem modo, qvo vipera, ut loqvitur Plin. Lib. I. cap, V.) non ipia ova, excludentes; a) Porro, quod, prater religios, Balana vera, omnium facile maxima, edentula est & adeo imbellis, ut non nili a vermibus adipolis elcam quarat; e contra Lamie & cateri ex horum familia ob truculentiam & vorscitatem pariter Bellue audiunt, cum ramen polmonibus non gaudeant, hine aqvivoca Cetorum & Belluarum nomina milimus. Magis, primo intintu, nobis arrifit Titulus: Plagiurus i.e. cauda lata, vel plana, Plat-Schwantz, fub quo Petrus Arredus in ordine Vto

6. XI.

Diffeibuirnus aurem PHYSETERES in BALÆNAS, NARWHALEM, vel Monodontem & DELPHACES five Porcellos.

6. XIL

BALÆNÆ nobis audiunt: Physteres, quorum caput tertiam propemodum partem torius corporis absolvit; quo charactere a reliquis norancer se dullinguant; sineque pilices prima magnitudinis.

NARWHAL f. Monodon Areeds, est Phyleter, cuius caput ad reliquum corpus adeo parvum, ut Acephalus videatur. Os non aifi unico, fed przedaro dente exferto armatum; hine recte Monodon. Inter Phyleteres mediz est magnitudinis, ratifirme enim XVIII pedes excedit.

DELPHACES f. Porcelli, finn Phyleteres, capite in roftrum portime excurre; ore in utraque mandibula dentato; Tripianes; ultime magnitudinis.

Horam Synoptica Tabula:

It In Dorfo lavi aninnes. L Edentule 2 In Dorfo gibbo apinnes. 2 In Borfo pinnata. I L BALÆNÆ fr Dorfo favi, spinnes. Dorfo lavi pinnata. II. Dentate 4 Dorfo gibbo pianate. PHYSETERES H. NARWHAL C Monodon 2) (a Capite in coffrum porcinum, fimum, excunter IIL DELPHACES b) F. Percellis Orca. 2 Capite in roffrum porcinum rectum & longum procenso: Delphinus. 3 Roftro recto, brevi, & obtufo: Turfio. f. Pho-

Verbificationes si qvis desideret, componat nomina graco-latina; mihi & minus exercitato in hoc artificio, & nimis occupato non sufficit tempus.

ciena.

omnes Piles Pulmonibus respirantes comprehendit : verum enim vero, re roulo accentus confiderata, a fentencia folertiffini Pifcium Indagatoris, hoc in paffir, nobis recedendum effe, adinvenimus. Prout enim nova nomina quandoque nova parume incommoda, non ab omnibus facile refolvenda b', fic vernmeguidemeff, guod Plagiuri, quosd interna, cum Qvadrupedibus pilofis (muidnigtiam cum illis, que pilis carent, e.gr. cum Armadhillo) magnam partem convenient; porro, quod pinne laterales, tanquam partes externz, fi exerciars (inc. cum pedibus quadrupedium, imo cum manibus humanis c) comparanda; aff, nemo talia ab externo habitu dijudicabit, fed cultro anatomicovel fecuri opus habebit, qui comparationem inflituere velit; neque indoles & slig proprietates pilcium in externo corpore confpici pollunt, Arted. Phil. Ichth. p. 87. Qvod vero ad dentes attinet, a quorum & pinarum numero d) characteres generaci defumendi, notum eft, non oranes pilces Plagiuros effe dentatos, e) etiamfi Clariffimus Autor laminas corneas nonnullis Balanis dentium locoeffe, nobis perliadere cupiat, de qvibus tamen vid. Rondel. Lib. XVI cap. XI. p. 476; & nifi unicum, quod fciam, anunal pilofum, nimirum Tamanduam quadrupedem, haberemus edentulum, difficulter, habito respectu ad dentes, cum reliquis Quadrupedibus comparari poterunt Plaziurus qui Balana vera Zorgarageri — Balana albicans — Balana edentula Dalci, que NB nec dentes nec laminas habet; imo plures pilces, qui communiter appellantur Cetacei. Quid ergo obflarer, quo minus Phyfeteris. antiquiffimum quidem fed multifarie vagum nomen modo amplectemur. hocque titulo PSICIUM ORDINEM PRIMUM infigniremus? f)

- †) Canem Carchariam Panius Jouins Bovem Beliuam elle, nutius dubitat, De Pift, Rem, Cap, 1/6.
- 3) En Jie, Column in Difference, de propuros p. XXXXI. Laterias, Certherias, Melhre de-racció generas elle perholers, de page XXXXIVI. pola finiplici vice conteces appellat Conf. polatos de apunca Lin, Cop. 3. de cercario conjunt primpir. Del : "Apliana laboras, mellana locos y alera alter majerra", y qui fijicolli police noquementos, quenum nonculii regentario. Onesse uma pages, quam padili tre aprincis y quentum cercario impage generali. Onesse uma pages, quam padili tre aprincis y quentum del proportio per periodo se applicible s. del circum centraria vivigata determental producti vivigata determental productivo periodo se aprincis y quambri visi filama. Entre expresserator escenario al locos, non elevario.
- b) Pie delinctus Schenchterm arzfloge, Itabu, p. 3 fr. ud titulum Grybites: "Melle "Nahmen mulffen ulche eingeführet werben ohne Nobe, und hat Luydius in feiner "interen Bobere-Göttel nech incht nete Rein-Chante.
- E) Coof, Epit, Transaft, Phil. III. 2, de plunis Phocune & P. L. Sachfam in Menecerorelegia p. 78 de pinna Narvéndia.
- () Cook 6-14 in mar. c)

§. XL

rempus. Sufficit animi mentem explicare, ut, qvid dicere velim, intelligi poffit.

- 2) Pie déralles aveales in réfesion Ordine Quêne VII Genera resurents. Herom penna règlique résonnes, ver gant pour laires, (A. No. No. Con., 19, 8) inférires résonnes que que pour la responsa resultant en men palle, que le régieur l'hydrates elle registerem le registerem le la registerem le la régistere de registerem le la régistere de la régistere de la régistere de la régistere de responsa resurent la régistere de la rég
- b) Novemus covidem, enadem Anterem in Reform, non gener, can, fee pollulare, ut coming de contar comma quadrupeda o proforum. Aviom &c., nob s camen afect places how outs Antiquis, as teniere illus prateries non variance, who pulfum objectives a reliationam natura en introducenda periculam nifendimas. & nyafo. fi wer braces Physosophism Siderologicam pobsecum communicalies. He/im majorein & minorem, vel carren fiderum Eryma ab animalibas quadrusedibus, evibus, Dire, Hereises &c. defempts, non-fine sulign, Aftronomic contusione, reformate coaetu, fuffet. Nel um auten damaian Gog Philosophia, confequenter & nullum pracudiciam Historie naturali imminere credimus, fi e. g. Coneri coleffes. & terraques, vel caniquala fiel a, canis fidus, canes terreffres pifresque canes alterius valebunt, good valuesunt ante; dummodo diffincta finguisseum habestor satio. Quodi autem amaine scrupalosi effe reberemur, al ter non fien posset, gram ut deleretar Clarell, Autores Genus Delpumi. Petrade enm ell, urram Portum appelles Delphinum, mutuato nomine delica? ex Grecia, an vero fampto no. mone ex Latio ; conferentus Willegbb. Lib. 11. cap. 2 & secedus Nem, Gener 2 7 2111. Delpunnis. Ino , 6 vel a ochCos, valva, (des, ibid, traherette nomen Delphins , feprem Cenera ordinis Quinty fallifiere mon policier, fed reducenda forese ad unicum; omnes com Plagiure effent Delphine, grod amnes per verbreue pariant.

FAMILIE itaqve Balenarumab Ore veledentulo veldentato, GENERA a qualitate Dorst delimpta. H. maracteres mux cuilibet in occilos meurtant.

BALÆNÆ EDENTULÆ

In fuperiore mandibula laminis five virgis corneis donate, mit Baseden

BALÆNÆ EDENTULÆ

oder Fidibein verfében; qvz laming omnubus edearuls, unica Balæna
Dalet excepts, communes. Avglir: Bone whales.
Virgas corticas fruitra qværit juxta cotlas, qvz tpime proxime funt.
Carie, Røndelet. p. 476.

1. Balena vera Zargdrogeri. Balena vulgaris edentula. docfon on pinnao Karti. Addir Rajus. a) przete Bernardamur cuam Rendelterus pri fidulam dengare 5 verum Rendelterus I.c. distrits verbis lonyvuru: "Maletanu veterum non che, avam fine fillula delerbut, fiel passime "Artiforelis, quem Guza c. n. Plano Mujfulam marinum, "edvi Balenas anecedir. veritis.

Sie ruit in rupes amiffo pifee fodali Belua, fulcandas qui prævius edocet undas, Immentumque pecus parvo moderamuse caudæ

Temperat, & ranto conjungit fordera monfiro. vid. tamen fupra & II. & platibus autorem b). Ipie vero Rans Bala ne vulgari gemmam ad cribit Fishulam, lecutus Martenfium Lib 111. cap. VII. Boven op den Bugehel (feil. acapitis) is nen elcke Zyde een Biacsgat; 't een tegens over nt ander, van beyde kanten krom gebogen, gelyk een laryniche S, of als 't ingelheedene gat in een viool, ... Sulpicamir tamen, Mortenfum per duplicem fiftulam intelligere duplicem duchum nydragogam in cramo, ex qvo aqva in fimplici, ted amplo foremme curis, figura qva oft litera S. collecta repettur, & hoc mode fecum conci-Bart poten idem Marcenfius Cap. VI jub tit. 4 Butfkop in verbis Hy (Balana Dalei) heeft NB, een Blaefgat boven in den Neck, waer door hy i water uyrblaeid; adoch met mer tulk een kraght, of in salk een hooghte, als de Walvith, die t Water uytwerpt NB als uyt een Springhbron; doch de Butfkop doet fulks op de wys sis of ick Water uytípoogh NB uyt de geheele breedte "des monds... Sic quoque de Vriesus in notis ad Marti-niers cap. XXXVII comparationem instituit Capitis pileis Narwhal cum Capite Balana; Utrique duas fillulas offignans; cum tamen extra ullam controversiam se, Narwhalem non mis ex unico foramine (6. III.) in lummo capite aqvam ejaculari; addimus verba autoris: "tHoofd wan de Vilh Narwhal vergelyckt fich met dat van een

BALENE EDENTULE

"Walvilh; hebbende in 'booven deel NB ewe gas-"ton, welke van de Kop af cor. NB in den mond doorgent), welke van de Kop af cor. NB in den mond doorgent), "se qu'bles welte judann ft, "Fréighem per duo forantina incelligere desplection dorbina hydringogum in erafees, quod lamine cornex ad Cofophagum uterp pertinguar, gulanque valde anguttam reddune," non uiti vermibus zilpolis veccons. d)

- 2) But Pope p. 7.
- b) Et Plin, H. N. Lib, XI, cap, X X XV, Sell, L XII, stem Ælian, Lib, II, cop, XIII.
- 2) Con "Rich ann R. Spiri p. 247, uhr de finderen Borent, Nord-Capere in Lieber und hunter ben fingen mach bein Midden µ, harte din recent menntlich greiffel bech weckpie nitt, woe ab oft bey been baken gelfben, mach anderen werfahn, all keire matten in bem Buffer ein febreiterer Gering-Semunen anfechauter
- Redaysa apad Zorgárszerom. biorrenflum & in Traveall, Phil. Fol. XXXIII, No. 157, p. 256.
- 2 Balana albreans; Weishth Martenfii & Zorgår. Et elen Bakenz vulgaris & Harengis, Alellus, fimilibusque vescens; qvod cornece lamina pin on funt impedimento ad devorandum annocuos pilees.
- 3. Balena glacialis; ita communiter: Eisfifch:
 a) Auftralis; Zud-Eisfilch; dorfo valde depreffo, Zorgdrageri.

 b) Occidentalis; West-Eisssich; dorso minus depresso, *Ejusdem*.

- c) Borealie; Nordkaper, Ejaudem. Vofenntur & efca Bakenz verz & Harengis &c. Adeps carum majoris oft confifteness; ideo non adeo follicire querum untur. Figuran Borealis vid. Eph. N. G. G. Dee, II. An. VII. Obj. XXI. Optamus quietorem.
- Clbbo unico prope caudam.
 Anglis: The Bunch or Humbak-Whale. Gibbus magnitudinem Caputs humani (upcrat.

BALENÆ EDENTULÆ

Laming corner hujus Balgus parum valent, antecedunt tamen bonitme laminas Balgus pinnatz, viulgo: Finfichvid, Tranaft Phil. Vol. XXXIII. No. 387. P. 258.

 Gibbis vel Nodis fex. Balena macra. Anglis: Scrag-Whale. Figura ad Balenam vulgarem accedit, & quantitate adipis illam adeqvat. Lamina cornex funt alba-Phil. Trans. ibid.

In Dorfo pinnate.

T. Ore Balana vulgaris, laminis corneis donato

a) Balana edentula, corpore firichtore, dorío pinnato Raji-Finific Zorgár. Phyltere Gefn. Anglir. Finbak. Whale. Unica pinna in dorio prope caudam. Long tudiudine fimilis Balrata vulgari, crafficie corporis illa triplo inferior eth. Adops nimis confinenza; un enque hane Balana valde cueru-Venstores. Piless & cicam Balana vera appeair. Phil. Tvant. al. L.

Minister Balena nove Anglie 2). Longicudine Orozilandos Guperra, non confilire, nonunquan in ma-Grozilandos Capturi; quod factum Afino 1722. 2) Vencuta de forte corruptum comeni: Jubartes. Pediculos multos, vel poque Balenos, filip guttere nutrit, de qvibus confert. Lift. 2). Edentale ell & laminis cornels infitted: a. Cymbbes fett Erghas venaticas non times, upoto tyus espat fibilide adora eft, & caudz verberationibus quosdam excommilitoralbus venatorum pellum ric coega.

2. Orz vofirano. Baleau tripinnis, e dentulis, minor, rofiro parvo; Buttle or Flounders s Island, Dalei 4).
Capta Moldavia 23 Sups. 1717. Ab extremo rotiro ad
extium eaude longa futu 1 ped. Ang. Cremmierensia ventricontrol distriction of the control of th

BALÆNÆ EDENTULÆ

- 1) Epit. Transall, Phil. 11. 823.
- a) Collett. Vracial. Tentam, XXXIII.
- 3) Nijl. Conch., 7ab. 28\$, Sibbaldus in Transall. Shil. No. 20\$ \$\frac{6}{2}\$ Epis, 8\$1. Conf. Collett. Vrajitl. all. I.
- 4) In Append. Hifter, Marvis, p. 412. Ibi figura.

BALÆNÆ DENTATÆ

3. Cete Clussia Exest. Leb. VI. Raji , Willingbeb; il e alicoromo, Balean minor , in inferiori mazilla tantum dentata, fino plana aut spina in dorro, subaldi. Battais: Per-Walfib. Dentibus simplicibus in inferiori mandibula, in superiora alevolos situ veginus habera, que dentes, dum rictum claudit, excipium. Rajus & Willingbebut mentibus duplici ordene dipolitis, tordenença in luperiori mandibal dentibus duplici ordene dipolitis, tordenença in luperiori mandibal devolus introduc. "Mullius (Clussias) in dorroi dipolitis membra de luperiori para della propositiona memini, non tamen addiulte negat., Verum eum netwo.

2. Cachelet f. Potfilh Zergdrageri, vel potius Abrahami Maubathis in appendice (ubi & figura) pinnam in dorfo explicat,

BALENE DENTATE

Dorp levi apimet.

Explicit, ambas spinnes dicimus. Hane Zangengerus 42 dentilus fimplicibus pradianu elle refere. Differ qui-dem capite a Cee Chiff, force mishiomiust tamen una esdemaye ell cum prixedentis q'oto allayrado, cum relievas que dubis luns, elies docebis. Contretura Bangustus fire la formati, etc. fals el des eryplicans p. et celestra Bangustus fire la formati, etc. fals el des eryplicans p. et celestra Bangustus fire la formati, etc. fals el des eryplicans p. et celestra Bangustus fire la formati, etc. el des el des eryplicans p. et celestra de la falsa de la fal

Balena major, in inferiore tantum mandibula dentata, dentitus arcuaris fal-iformibus, pinnam feu ípinam in dorio habens. Sóbalái. De ejusmodi dente vid. infra f. XXXVI. Artelo audit Phyferer Imus maxilla fuperiote longiore, pinna longa in dorio.

 Mular Nierembergii a). Balena macrocephala Tripinnis; qw in mandibula inferiore dentes habet minus inflexes & in planum definences. Sibbaldis fidulani infra fronten ferefs., ereclan pinnam in medio dorfi., Raji p. 14. Artai Phyferr Ildus.

g. Linekii ş in utraqve mandibula dentata. Dentibus & fiftus lis valde fuipechts ş his qvidem ad Nares prominentibus b.) Deme Linekit Balene fiftulas mirabiles ac dentes fuperioris mandibulæ, & colloca penem de loco pracensaurali in loquin muralem, fic habebus Mambachi Cachelos I. Polifik.

a) Alla Nat. C. G. Val. 111. p. 2.

b) Coll, Pres. Test. XXVII. p. 77.

Dudkji Balena, dorfo gibbo; fimilis Balena, qvz Humbak - Whale. Sperma Ceri Whale, Ambrana grifean ferens. Trans. Phil. Vol. XXXIII. No. 239, p. 358. Cafarus Venamama in Diguif, de Ambra grifeap, hane one recrementum animale, ied Bigumen effe, proxime ad Suceinum accedeas, pregnantibus arguments evincere volitat.

BALENE DENTATE

Belaus, Tigridi iultar, variegata în Dorig gibb pluneta.
Belaus, Tigridi iultar, variegata în Dorio pinnata,
polipoliti tribus noitis, qvibus pelt anum duo nodi e diametro oppoliti dentipus in înfeirori mandabules caribus amplis. Figurem pofiide: Dominar S. Ph. Brepnius,
rejus auroe nou tamen conflix. An, Balean tripintis,
Nares habens, cum rofico & plicis in ventre, Shbbaldi
& Raii?

6. XVL

Pluces Balenas cum altyra feducia colligere nobis non licult. a) Multi ex recentorista vel minus circumpéte relationes amiquorum propagarum, vel minus fidemere, que ex auditu acceperum, poletis commendarum; Alii autoristribus lllorum, licera altyrando Autopex, occepati errores erroribus cumularum; adeo, un multi laboris fit paris arque condexor in obbevrationibus. Se naturama que perhibenta Sylvios Jlanc e. 4.) Archerpus est, non libros aque picturas impleiat, qui vesta a labis diferenter nitutes. Non centuram que perturas impleiat, escalitum b), que familia esta portionis de la contra del contra de la contra del contra de la contra d

a) Si Pliniar Lib. XII. s. vordit: agga ngli patawa; fi totatas di de non tibe folias fortalis traflatione dei monimiere qui di nennet figine no trasmert, qui mandione productione del productione qui del nonet figine non trasmert, qui mandione del nonet figine non del colorare, nonfic consum, qui vonomur, gi nere filio pitra filiamma genera, condut, i ater allos 3. Citalogum Thomas Bargini, const. High, XXIV. Cont. HV, ex manuforepais Bildrip infiliam Intalian.

6. XVII.

60 Lik 111, cap. X1. p. 69.

c) Ell. 17: 14: Zh

& XVII.

Auxilian & commodium hand leve pitchium historie maturali predicaturali auxoriature polienti in SOCIETATHBUS, sal biberas in ultima communicatum venandar, mutorum locorum INCIE, diabli ved forteripte deliberibus, qui cum adibigus venaticis excurrete folera, juque gerea, qudan etiam conditurus pramiti escelamililizerene, ur attenti filat in pitcas libi obioto, inpuritus libe see fimilia Bahamami fedulo biervene; ur rationem habeant eorondem magnitudinis; feliture & fructurar oris; ur rationem habeant eorondem magnitudinis; feliture & fructurar oris; ur rationem habeant eorondem magnitudinis; feliture & fructurar oris; ur rationem habeant eorondem magnitudinis; feliture & fructurar oris; ur rationem habeant eorondem prediction for fortunaris; cur finite dettart, men ne; qu'else fine denere? feliture confiniture, que l'aminis corroles infraodre finite magnitudinis que l'aminis corroles infraodre finite magnitudinis que l'aminis corroles infraodres finite deverée. Baltere dettrulle; a munerande, de Corp : an quedant virgant habeant deneres, d'equies? que différentia, ab externe forma defiunende, obti-net internament of feminant? A, quod al mentificiam attence, qualis:

1) ab oris extremo ad ortum pinnarum lateralium?

2) a pinnis ad anum?

3) ab ano ad medium extrema cauda?

ab extremo oris ad fiftulam in fummo capite?
 a fiftula ad radicem pinne dorialis aptrorium?

6) a radice pinnæ dorfalis retrorfum ad mediam caudam?

7) que fit alcitudo pinne dor(alis? 8) urum pinna equaliter triangularis, an figuram incurvatam habeat?

9) que forma fit caudat, an falcata, an lunata?

an pititi primer cenere despiti" en gibbis vel nocis for in dorfo, fine pititi primer cenere despito, quo nonime specifico confluente verennis in area venntaci committionolaus familiari, finquis Balene guadent? des. Ex ejasmodi Ichedulus memorialistos multum incrementi capere hiftoria. Portin & huntanamum necefficatum, intercultor toles observationes; nordum enim res expedies els, omnes utilitates Balenarum abioliv tribus commodis vide proficuis, videlicet: Launiti (Olev orafo, Tahla — 8, Ogramate set es cerebro piticium, quod & ex altis purthus adipolis preparari potett a). Experiaris Ester dentum, quod aperes foldies; follicitais judices de videribus, cum neque victera vel vulpium uti omtuno caren. Tandem & erudites currota part octevanta & datoni commendantas, affentuar deta oceatione, utili.

naufragi pitces contemplationibus & obfervationibus hominum fefe quali obrudeum, cumem novere lapidem, qvo magis accurase contaction figures, nagstin abilitum de criticionis factacione promovernium glorian.c) homologico de contractionis de contractione promovernium glorian.c) bodo reliquos confiderabimus, qvos PHYSETERES falutavimus Pitces. Horam in ordine levuturi

- 2) Callell. Fratist, Tentam, XXXIII.
- b) Attentionem meretur Dr. Segnette, Medici Rupellenius, Lifforja Cete aut Baizum ad litora Rupelle propulite. Zediac. Ann. Gold. An. 13. p. 63.
- e) Menuffirms G. C. Schelbammerus fub fine Ion, ad infulem maris baluci , in Eph, N. C. G. Dec, 121, A. IX, & X. p. 298 de hiftoriz naturales defectious its gragiture ... Hie non possum non conqueri de negligernia nostrorum hommum, qui sant annua marmarum genera cotidie spectantes, move ac pulcum nonnullorum paprum alibi cognitorum, qyorum tamen, pon dicam historiam, sed vel nomenschatgram nobis dare fizoius nechgunt. - Sed in promptu caula eff ; Ea vero phuplen : Dun , Genius hujus populi, quo plerique apibus corradendis & vei afacienta plas, quim cultura mima Rudere folent, aut bonis literis, que mulato edio & invidio porius profequentur, de extunctas mallent atque ejectas ex fuis nurbibus, quem excelens altrusque evectus. Attens, communis Germania pro-"pernodum universe : gyod & Arifloteles defunt Alexandris, qui exitatas ingeniis manimum addant. & fi qui invenienter (que pauet funt) tanto negotio . cranetum eR acumalium hiRoria, pares, defint Alexandri, qvi excitatu ingeniu aniamum addant, & funtus cateraque forperliters, pramiumque conflituent labontum - &'paniter elle induftites, ubr vieras non niger modos. fed ne laudameur quidem etiam : tantum abell , us gramiis fuis gandestan

6. XVIII.

NARWHAL. Monodon Arreiti; Monoceros, altis; Unicorna nouncilis. Nomen a cadaveribus, quibus vefei dicitur, trahens; Narenim Prifeis cadaver dicitur, Worm. etiantii plures pilees cadavera fe-denter. Hugas piteis definitionem vid. 6. XII.

6. XIX.

Denten habet unicum prelingum is findlien fuperiorit mandibulen pater Cuvitai len theolo fin per cultofin interrum, non feen quel Warman p. 28. privato a contra informa asimalaim isid Phannie interrum per contra informa saimalaim isid Phannie interrum per contra informa saimalaim isid Phannie interrum per culton peter per contra informa de mandiam peter interrum de peter per contra interrum peter culton de peter per contra interrum que autimate que per contra en contra cont

prelonges & recurvitos, vel etiam Aprovam Dentes, quo ventores tirum unucupare folene, non aufin dioere cornus; ut praeemittanus intilien convoversiam de dentribus Elephani recurvis, cornua in fint, no co e? cum Plinio a) fecientes: Qvi dentes externos este Apro, Hippoparamo, Elephani pronunciavis. D)

- a) Lib, XL Cap. XXXVIL, Sell, LXL
- Ilem Lib. File. esp. III. Arma noncopat, qvac Tube Cornus appellat. Recodotus tanto antiquior. Se confecudo mellos, dence. vid. Mardainum in units ibid.

6. XX. De Fillula, Pinnis imo de forma hujus pifeis autores non convenjunt. Wormins (qvi pilcem non vidit) ex duabus filtulis aquam rejicientem piscem vel pinxit, vel a Sculonio Episcopo Holensi pictum obtunuit; hanc figuram, qua fiftulas, adoptavit Tulpius a) addit nibilominus ramen : "in cadavere pifcis 1648 invento, duo illa foramina in cervice, præ fisceiditate in le confidente, defuiffe, Wormio vero contrarius videtur ipie Epifcopus Holonfus ab illo p. 286 citatus, quod in occipitate respiramen, non respiramina, pilcem habere serbit; de Vriesso vide supre S. XIV conser, etiam S. III. Rechesorius non conrentus duabus fiflulis, eres huie pifei affinxit, ex enjus descriptione figuram fuam fecit Valentinus in mufeo mufeor. Parte I. Ille: Elles nont trois troux, en forme de soupiraux, à la neissance de leur Dos. not trois trous, en tourse de couprance, au manurec de seur Dos, norr où elles vomiflent en haut outre l'eau fuperfille, q'élles ont availée de... Qvod ad pinnas attinet. Wormus reche duss jui difiguatet la transfer b), in dorte autem loco pinne preprent utbera tris (te cundum Sculenium duo) unumque in ventre. Hze tubera Tubpit figueurdum Sculenium duo) unumque in ventre. ra non exhibet; Rochefortii antem descriptio sequens: "Elles nont, aque deux nageoires aux côtes, & une large & grande Empenture sur le ados , laquelle , étaut plus étroite au milieu , fait comme une double "Crefte, qui s'eleve en ane forme tres propre, pour fendre commodement les Eaux; , interim figura, quan dedit Rochefortius vel alius,

- valde abludit ab hac descriptione.
 - b) Lateralas dieum plontus, non voetralitas, de quieum pallotam, de palentarios vera gandent, les quojes migrano pallotam, qui describier habitra, qui de la periori del periori de la periori del peri

te, in pifeibus vero branchiis occulste (Murrena & Lampetra, prin illic ampino earent . exceptia), vel prophis vel longius a forraculus branchiarum diffant; 4. eved proprie, loquendo, pinne lacrales non branchus inferiunt, fed un pifes earson agitatione codem fore meda aquas tranent, woo aves acrem remigio alarum, otout longitur elseiff, Pater in Hilly Pife, Willingto, Lib. L. Geo. 12, e. a.

Ovodí vel corco impetu Rocheforcium fenvi teneremur. duz pifcis Narwhal species haberemus; minimum, præser illum, adhuc Manacerotem vel Unicornu marinum, prætenio terrestri amulum: Corpore feilicet favammato, dorfo longa pinna ferrato, capite eqvino & (qvod magis eft.) coronato, in fronte corna turbinatum ferens. Verum Rochefortii narratio, gynm ex relatione Domini de Montel a) nobis reliqvit, per multum manca, fidem facere neqvir, etiamfi Dominus de Montel fushensium ad flationem milmun excubancium caput mirabilis hujus unicornu viderit. Sane animal hoc, fine prajudicio confidera-tum, cum pitce Utelif ferram, ad instar pristis pifeis, in fronte habence b) ad unam candemove classem, nimirum fabulotorum pifcium referendum este, judicamus. Verifimile enim est, milites in excubits ocioios dentem veri pifeis narwhal, vel in littore inventum, vel gx tali pitce naufrago defumptum, cranio eqvino applicaffe, hocqvo ineciola quadam corona exornatum, ad inflar Trophai, juxta flationem fuam fufpendiffe; Hiftorjam vero inde enseam adeo non miramur; cum homines favius plus tribume auribus, quam oculis fuis.

a) Ovem non tellem ocularem, ut volt Recheforeine, fed figundum joling relationem eirca finem , sellem ex audan fuille autumo. Forte etiam vel Recheforrius vel D. de Mangel Olimo Magnum confuluciunt, qui pariter Narvibali comu in fronte tribuit,

by Annd Aldrewandum de Crais v. 601.

Ad ejusmodi hallucinationes dirimendas, fortunato haud procul Hamburgo in Albe flumine mente Februario Anni 1736 nautrogus pricis Narwhal captus; qvi mox in manus mens venit, ari meitus, cum de-Tabol (criptione. Figuram recudi curavi Tab. H. C., qvod mehor nondum H.C. proflat a); Exuvias vero hujus pilcis naufragi, Screnffin Poloniarum Regis AUGUSTI III fumptibus, furclas in Regali mufco Dreidenfi anno 1737 vidi & oblervavi.

> a) Biffic foe II in MSA jum expedito, de Tabola II fam anno 1718 feulpte, offende demun anno 1740 figuram reculam to Dantallienibus Philosoph. Angl. N. 447. 6. XXIII.

Figura corporis ad ovatam accedebat; capite erat parvo, vix a religyo corpore diflinguendo, its ut Acephalus videatur; Artedo vilum ca-Due Copping i fi comparatio fieri debet , nobis apparet Bufoneum. a) Longuado pifeis a capite ad caudam aquabat 18 pedes b). Dens unicus cornu turbinato fimilis, fex pedes longus & recta protentus ex mandibula finifira, ore admodum parvo. Lingva palmam lata; Curis pollicem craffa, lavis, maculis albis fuscisque, ad inflar Tigridis varia; unica produtus fiffula transversim cutem perforante; oculis parvi moduli; binis pinnis lateralibus, pedem circiter longis, duas palmas latis; quod vero Wormus in dorio: Tubera, & Rachefortius: Enpennure appellant, non nin linea est cutanea, spisso adipe farcta, principium habens in medio dorfi, ultra tres polices alta, versus caudam legre decrescens. Cauda horizontalis podem cum dimidio lata.

- a) Sathfins p. 55. feribit, habuille caput oblongum, aprino hand diffimile; grod unitamor.
- b) Conf. Tulpii Narvehal anno 1669 caprum , 13 podes longum; Sc Sachfaus monocer, P. 54.

6. XXIV.

Balanas Narmhal aque ac Orca & Proftis pifeis perseguitur, & non nifi necata Balana lingvam appetere perhiberor. Quandoque, pilcis velociffimus & imperuofus, navem pro Balæna habens, & cum imperu in eam ruens, fracturam dents patieur, apice, qua maximam partem, paxilli ad inflar, parieri navis inflicto. a) Hanc Pifeem incer PHYSE-TERES demum excipiunt:

2) Religen vid. upud Warminne , Willinghi. , Julpium , Sachfium , Mersenfium & Zorzdragirum.

DELPHACES f. PORCELLI; Pifees Pulmonibus respirantes ultime magnitudinis. Omnes pingvedine lardogve porcos terrellres fuperant, non tamen comparandi cum Balenis & Narwhale; hinc Forcelli, i DELPHACES, gvod inprimes caput habent in roftrum porcinum exiens (6 XIL)

6. XXVI.

Horum tres species (J. XII.) Prima: Rostro porcino simo i. e, lato, gonnihil repando, fimia naio fimili; & dichur: 6. XXVII.

ORCA: Delphacum maximus; ab antiquis inter Balanas perperam Variant eius descriptiones sub nominibus confusis , uni numeratus.

videre est apud Rondeletium, Bellonium, Paulium Govium &c.; qvinimo Theodorus Hafeus qvem Celeb. Schenchzerus in Phys. facra securus est, ex Orca fecit Leviathanem, i. e. Balznam omnium maximam. Vapulat & Randelettur, de Historia pilcium fumme meritus, in co, qvod orca dentes latos & ferratos effe recognovit, cui Artedus fidem talit, rethe liest hune pifeem Delphacibus affociaverit. Nos Delphacibus omnino accenfendum effe, fequentibus perfvafi fumus rationibus:

- z. Nemini ex familia Balænarum vel magnitudine vel forma capicis par, cum fecundum Bellonium raro 1000 libras pondere juperat, capitis autem figura cum Delphini capite quadantenus cadem lit.
- 2. Imo Delahino ao Turfioni adeo fimilis effe dicitur, ut non folum Mariuini (Meerichwein, Porci marini) nomen fibi vulgo vendicet, fed & pro Marlinno publice exponetur-Cavet quoque Martenjius, qui Orcas à 16 ad 20 pedes (nifi error lit in numeris) vidit, ne cum Delphino confundatur .. notamqve addit: qvod orcæ roftrum fit æqvalis crafficiei a radice ad apicem, infuper finum & furfum repandum, cujus labri inferioris tanta craffitudo, ut a fuperiore fejungatur, dum pifeis pronus est; conferatur Illustr. Dn. Hans Stoane It. Jam. I. 5; "This fore of ,Whale, wich is the leaft, and of the fame Kind, with "the Dolphin or Porpelles, is about forty Foot long, and proportionably bread, is imouth, and of a dark brown "colour in the bak, and has two Channels in the Head,, (intellige, in Cranic.)
- 2. Rajus eqvidem orcam in Balznarum claffe oum aliis autoribus collocavit, verum iple dubius fuit, an fit Balena Martenfii: Butskop i. c. Flounders-five Bottle-Head Dales; capite ita dicte a figura, quam fert, lagena. Nos Da-leim fecuri formus, qvi Balznam Burlkop non folum latis accurate deteriplit, led & egregiam ejus figuram communicavit, hine Balana Martenfit: Butfkop utique ab Orca feparanda.
- 4. Communiter truculentifilmum; inter pifces pulmonibus

resbirantes, & Balanz infensissimum animal audit, XL. lethiferis dentibus (imo pluribus, infra) instructum, au Balana ab orca infecuta horribilem edat mugitum, non aliter, gyam cum Taurus morderur a cane a). Hine Orcam Balanis affociare merito abftinemus', qverelam Balanarum verentes.

- 5. Orca prout Delphinus & Turlio f. Phocana , ad naves absque metu accedit, easque diu comitatur, prada ishi-Schoneveld.
- 6. Cronium denique Oxes off Cranium Delphacis five Porci.
- a) Oren oum Salamis continenter bella getunt . & toto occano cruentifimis prallis untet le dimecant. P. You, de Rem. pift. Gap. 20

6. XXVIII.

ORCA itaqve cfl , qvz Abbaldo dicitur Balzna minor in utraqve manchibula dentata. Grampus , Smtb. Virgin. p. 223 Billers Phil. Tran. No 38. Capidoglio Pani Joni Cap. 2. a) Grofte Braunfich, Tandhere vel Springer, Loper, Hacket, Oerichwein Schouweldti, PORCUS MARINUS MAJOR Geftern. Meerichwein Kolbii Cap. B. S. p. 204. Raro in mari Baltico capitur, in quod tamen ad Sinum usque Bothuicum aliquando irrumpunt Balana b). In finu Puccufi prope Gedanum Orca est capta, cuius Cranium in Bibliothecam Ampliffim SENA-TUS a D. Christoph. Gottwaldto illatum, hactenus pro Cramo Delphini haoitum. Est totum ponderose osseum, qvod in dimidiata magnitudine inter reliquorum Delphacum Crania exhibemus Tab. I. no. I.

a) "Capidollum a Plinio occum vocatum effe crediderim , quan feetagte populo "Rommo Claudius Cafer officefi in porto - oppognavit.»

b) Coul, Collett. Fraist, Innam. XXXII. g. x12. & \$53-

& XXIX.

Ab exitu Inferioris mandibula ad usque foramen magnum Cranium longitudine abloivis 21 poll. Rhinl- cum dimidio ; ab exitu firperioris annalibula ad radicem rollti 12; poll, ab extremo mandibula fuperioris ad occipitil apicam 18% poll, dumecanent. Duo habet foramina, prout a Rondeletto omnibus Phyleteribus communia describuntur (f. 11.) Radix rottri lata 52 poll. occipitio latitudo 112 poll. altitudo 9 poll. Dentes, naturals magnitudine teparation delineacos vid. ibid. fig. 1 - 4,75b. L. qu'i cum dentibus Delphini de Phocente nullem habent fimilitudinem. Ex detritis deurbhus colligere licet , animal hoc , prous percos terreflere, a multicando repitam Coulamere. Singuil alte la maxilis, prout deutes quadrupedum, hazene firmis reclis implicheusque reindibus, fecus in Delphino de Turifione 3; butta autem deutes inferioris mandibuls XLVI, fiperioris vero L., fullumma XCVI. Sufficient pro hac vice, que de QRCA junt data, DELPHACOM Familicharlegiane. Alter corumeli:

S. XXX.

DELPHINUS (g. XIL), nomine proprio notifinaus, licet frepius rum Phocean cominadaru. Minor el forza, major Phoceans leu Turdinos. Oris filiura longifimas, que ad ungvem clauditur, velut corvorum os. Dentes cipis lant fubolarformes, ad initat Lucii pilica, secutifimi éc pedinatim counterse, qu'abus kafio levilifima vendefica eli; a) fullulam in caso haber finsplicem, in cranio fonse del duplicaus. Cra 73b.1-nium ex Muitoo plin notiro Tab. Ln. II. a direttacem redectum, pl-

N.H. fearn vero integrum, ab egregia illa pictura, que ad naturalem magnididom in Curia Gedataveji inter a ilos pites a ratiores expolita est y detentamento bi per vaciono Tabula: Ill. ill. il. A abbreviatum radimus, ita ill. A de ejus forma milium amplius sipperesse possibilitati que de ad insulia situatura bi attiniet:

as Zait, Traviall, Phil. 111, 847.

- b) Reinb. Gweifet Besst. 44ft. Zeifdereib. p. ager. Anne 1619 ben 7 Juli find ben Rechtau mir Riffering gerein gerief felfens Biffe, melle erkein med ben Rogie bei Ellegie gelighelle. gelighelle, gelighelle,
- c) Labat Pgr. de P. Ameriyav Thu, F. e. § 2. Elatorum meninit, qri parum differant a Delphina maisi mediectranel. A la Marinhye une trer gunde granife de Souffleux s Jétimozemé für le côtes — p. j. coci, spec polifien elle nefense que celui grèen appille Dauphin dans la mediternacie, ou que d'il y a grelpre difference, clie ell fort nelle. Vide deferipionem. IIIA.

6. XXXI.

Longitudo pifeis ab extremo roftro ad exitum cauda, menfura Rhinland. pedd. 9 cum 2 poll.

Fifture roftri s. b. 13 poll. cum 1.
Fiftula c ab extremitate roftri diffita 16 poll.
Oculi magni, ab uno cantho ad alterum 3 poll.

Pinne laterales longe 16 poll-

Pinna dorfalis incurvata in bali 13 poll. Ejus longitudo ab angulo , qvi antrorfam ad exitum 18

Cauda dimidia 12 poil.
Crafficies medii corporis a5 poll. cum \$5 qvatenus nimirum a pictura deliuni pount in linea recta transverfali.

§. XXXII.

> - Sed qvid non Grzeia mendax Audet in historia.

Ultimus DELPHACUM:

a) Vid. 5. XXXI.

Pinne

b) Ibos.
 c) Qua Rendelerini Lib. III. cop. 2. p. 47 omnobus plátikos denegat; addente syrod spalpebrarum defectium corness durinte penfareiri natura, que andayre oculum ambit, non ca adjertio popula tantum, ut an hotembrasa.

6. XXXIII.

S. XXXIII.

TURSIO five PHOCÆNA; (\$\frac{1}{2}\) XII.)

phimus leptemirionalium; kielin Meerichwein; Braumfich fimpliciters;
Tumbler vel Springer; a) Mericum; Anglis: Poppelic Mericum;
V. 1. III. Mill. 1730 cultro Anacomico fiolicitum; (Allfi. L.) repraecutar Tab. 111.

7. m. Maij 1735 cultro Anacomico Isopectum (Mijl. 1.) repratentar Tab. 111. ba. bil. B. ad quartum parem magintudinis naturalis a piticis emis aquibate quatuto pedes Rhiolandicos. Medium auditorium externum aiblo calo indigirariums Int. 9, od alixer dignoto i em poetui, quippe l'ipperentation de la companio del la companio de la companio del la companio de la companio del la companio

** Miffe Jao. Craitum denirye inegrum Phocard ex urero czil c norgal fra mane alborraum. uze um denibus feparatis d) exible Tab. L. N. III. Flura ad Phocara informa naturalem qwa attioner, vide net: "Qywennqwa ef Alboromiata o, eqvident monet: "Qywennqwa ed Delphini utropa lexu kripas faint, Phocara framiliter conveniunt, c nill Phocara offamiliam to beneviniunt, c nill Phocara offamiliam of the phino fere undiquayer finish sforet; "attanen ex unter diells, collesis finish figuras, manifelia approvib Delphaem diffinitionem XXV. G. Les in Albe finish proper Delphaem diffinitionem XXV. G. Les in Albe finish saturalem ex Cacheta pro Synonymis habuit; prout etiam Judjoul de pife, Lib. V. p. 221 Phocanam, quam 1000 libras pependific penishet, Orzem Intel Guifeanum.

a) De Delphinis in genere Ouid. meram. Lib. 112. Undigre dont filtus - multaye aforgine rochet -Emerguntyre iterum redeuntyre fob zoprota serfus -Ingre chon Judone forcem. Jefersayee Jefare Corporas & Secteman publis mare enthus effina.

b) The pipe or Great — "It vary customs, string from the Patter with a fingle fortunation," to review a quantized the Crossion, on which de you afficient option to the course, the piper is to massed again into one; the piper is to make a gain into one; the piper is to make a gain into one; the piper is to make a gain into one; the piper is the mark of the Crossion, 25th, 18th, 1

4. The Testh are not fallened in defined folets or Cells as is used in wher Assirgats, but only by a firery membrane or extrilege, there being one common fearow in each party, into which the Sazersane of all of them as received. These each are for final and short, that they from unit either for millication or fight, but only to design their Pays of light date as they are conveniently firstlew as trained. The first the received of the first the f

e) De Cerie s. 123-

6. XXXIV.

Abfoluta jam naturall, indocht qvidem, difpolitione PHYSETE-RUM vel ELATORUM, i. e. Pjetima, qui painaeubus gauden, vetuam me imperaturum ietum iterumque conficio, qvod piares si motoribus recentiras balenus, vel tanquam fuipecha sun nontion intein nonevel tanquam piame alimigenas, parcetierum intein noneve tanquam piame alimigenas, parcetierum qui parte quinnodi aniappolita creditinus. Intertum non delpero, qvin ce piare quinnodi animalia, f. viel genere vel fepecie inter is direttria luti, imo ce reliqua, qve caulos homium mayer adhue ribuertiagerum, fi aliqvando in conspectum venirear, hane dispolitionem hand difficultes tibilitation.

6. XXXV.

Brevem este, inqvit Plinius Lib. 5. Ep. 6, qvi ineste, qvod institution, is fee patientia lectors non abare, i immorador reliques materia; quan Protnitipicio hojus Millis mieripii inguiaria; Colicer: De dentibus Balenarum & Elefonarius; De lapita Manati & Tiburonis.

Qrano Oryus aurem hance occurium abolivera fantari.

6. XXXVI.

Oved BALENE alia funt Dentate alia Edentale , historiam corundeni multum illustraret Dentium accurata comitio. Ova cum adeo peglecta fit hactenus, ut ne qvidem in potiffimam maximorum animalium partem, qvz caput eft, nedum in richus Balanarum fufficiens inqvificio fuerit inftituta, hunc infignem defectum posteris equidem tollendum relingvinus, ur aliqvando experiantur: qvam pulchrum fit, digito monfran & dicier , hie oft; interim tamen illi, in quorum collectionibus dentes hucusque quali lepulti jacuerunt, manum fi commodabunt fublidiis, dentesque, quos possident, cum publico communicare non dedignabunger. hand parunt adjumenti conferent illis, qvibus cura cordique forer . fuccessu temporis Balanas sibi obvias propius intueri. Primus, quod memini, ejusmodi dentes ex apparatu fuo deprompfit, iconesave duas publicari permific Celeb. J. P. Breynius, qvæ exflant in Collett. Vratsil. Tentam. XXXIII. p. 551, Altera dentis falciformis (cujus mentionem injecunus §. XV) Altera recti, craffi & lubreretis; nos Tertium, quem Balene dentem judicamus, ex laudati Domini Pos-

fefforis Gazophylacio nature, Tab. I V. f. t. gri incifum fiftimus, radice ample cavata, quali imbricata, vel lamellatim ad arboris inflar vegetatite, apice parum inflexo; huic adjectmus fere fimilem, radice majoris

f.s. confistencia, craffiore & minus cavata, ibid. f. 2, ex ore Balana, qvz 63. anno 1739 ad infulam Ufum necata; nec non maximum, ibid. figur. 3, radice compressa parum cava, in cujus apice, nonnihil incurvo, quali cicarra vaguna inperioris mendibula, que ciusmodi denem dem ri-chum claudit Balana, excipit; ambos ex mufeo olim nostro. Ultimus an fix ex ore Bakene macrocephale, que a Sibbaldo ita vocatur (vid-(. XV. n. 2.) fed minus diffincte, avoid owness Balance funt macroccphale respectu exterorum Phyleterum, certo affirmare non possumus. Ceterum differentias in Hist. Anatom. attulic Thomas Bartholinus a): unum genus obtufos dentes habere, breves & craffos, alterum Narmbal effe dicit, uno folo dente, ex mandibula prodeunte, longo & firiato praditum. Verum, fi dicendum qved res ch, prout Pifeium, qvi Pul-monthur gaudent, familia titulo Cesorum valde obleura redditur, (p. X.) fic generum difinche o denribus obtufis, previbus & criffis, vel longis, firiaris & folitaribus defumpta aque obferra maner: com vel Balanarom dentes quinque, quorum copiam modo habemus, tint vel obtufi vel breves, vel crassi, vel parum inflexi vel falciformes, vel recti & reretes; ne dicamus de Delphacum dencibus, qui rurlus vel teretes, breves & obtufi, vel minuci & compressi, vel ad Lucii piscis instar subulaformes; pratermiffo Narwhale; Monodonte; aliis: Monocerote, hinc

a) Vid. 484 med. Hafo. 11. 9. 69, ubi grogre de coulo Balman, ejusque receptacolo inferiore y & Acar, Hift, cit. figra & ZVII.

b) Dresde BALENE transum in thefaura Regils extet; often in inferiori mandibula dentatz, modo edentulas XVIII comen abreolio utringve, la forma XXXVI. donatm. Sloguli alveeli quatuor pollices firmil & libere qviden admittant, altidues politices Rhughandicos: arguiantque dentes XIV anteriores fuiffe valtiores exterio; ac teretes, radicibus fois quidantenus introrfora flexos de apinhus fuper maicilla inclinatos, religious vero polleriores manis magisque contractos in radicibus. In file mercore mandibola nullum hiveolorum veiligium; absqve dubio tamen glogiva , in fista naturali fabiliantim fere corners voginit influelm factuat, fingulos dentes inferioris mandibule manimum accessores, dum rictum claudit Balena, recipientibus de avibus auto-10. pillion. Ex ebfervariene Rufteie Du, de Heuchter, pupptrime mecum communicate, . XXXVII.

An mayam Dens Balana Fossilis inventus fuerit, nos omnino latet; a) Dentes tamen Elephantorum b) Folilles & Petrefallos in Gazophylacers Natura explanos cile, noviane, neq e ta feuta olim noftrum illis omnino carnit. Uberrenam horum togeteth, qvi luttrare cupidus. Petropoli inter Thefauros Imperiales, nec non Londini in celebri Muteo Illustris Du. Haus Sloane abunde offender. A Russis inter ossa Mamontiana e) numerontur, qvz in Siberia frigidiori Provinciarum Tanguska, Jakutfka, nec non in Daurea boreals, Obdoria, Udoria, Condoria & Usgeria ad prærupta luttora flummum Oby, Jenicza, Lena, rivorumqve confluentium, foffilia & fübrepta inveniuntur. Tanta talium dennum multitudo illis in locis est, ur, inprimis exfereorum, gvæ stupendæ aliquando magnitudinis fint, pleres quam quinquaginta, fingulis annis, Tornatoribus, Statuaris & mercatutam in Imperio Sinens exercembus In Epilcopatu Camenecensi Ukramia Polone anno 1729. inter alia offa Elephantina, etiam Dentes molares inventa, de qvibus epiflola ad R. P. Rzaczynski S. J. Cameneco 20 Sept. exarate, qvan cum laudato Dn. J. P. Breymo communicavit, fequentis tenoris:

"Eft pagus prope Ufliam oppidum, po. Ufcie, pertinens ad "Epricopatum Cameneconiem, Filipee diclus. Alluit ejus "hortos Tyras flavius, lambit & flubripit, Aperuit itaque "fossam idem fluvius, in longum ad dues vel semi tres ulnas, nqvam ubi aqva deleruit, inventa est ibi a Colonis farrago offinum, fed nullam fimilitudinem cum humanis habentium. Semi duo ibidem fuerant Dentes; mus excedit polinom, & hic "SERENISSIMO REGI Poloma miffus; alter dimidius habetur Cameneci apud Dominum Generalem Szylling una cum pluri-bus offibus in parva frufa comminutis. Hzc eft yera relatio; "alia, qvz funt iparia, funt fabulola., e) Fortin

3) "Perfect habitém ext Dileio i politario d'un non (ine piule, quée paster enfortium de nature prime intra receptivariest un mero par les que de la montant in receptiva de un mero par les que de la montante, nel si solice quel cue alla fectua, juio com homenhou graver, occumbant, desires escampattes de ficher estam mello, faciles in hautente entre unappelle controudistive, quera per tempelatue in terms discourcit unbé defau «, quel vert en res quéents « et plans con», desta fanciam homenhou de la mention de la montante de la mention de la

b) Labat Relat. de l'Eth. occid. L. 19.3 mentionem facit pileie : Elephant de Mer., pat-

ceq'ail a une trompe , comme le terreffre.

c) V.A. Epil. D. Apilii Taijihan al D. Steun Benzeliam Afli Lit. Ever. An ADCONY p. 5 micros — Sillorific Americangue idea bit Delimpon Get. Peterbulga of 01. 73 a Law Sellid figs. Conf. [int. D. Jah. 543. Laysin & relationem D. Dan, Gutt. Anfiriphenidii : de officus Mamonlianis , Phil. Transell. No. 44. C. V. S.

6. vol. XI.

Integram mandibulare inferiorem in naturali forms & magnitudine exhibet Illustr. Comes Marsillius Danub, Pann. Mus. Tom. H. p. 21. denttesuve fosfiles repertos in palude Hiulca ibid. Tab. 30. - Ex Museo Kisheriano dens molaris sossilis Agri Moguntini, ponderis librarum VI, in are excisus proflat. - In Hibernia effossi plures dentes Elephantorum Epit. Trans. Phil. V. b. p. 104 fegg. - & delineati ibid. - Illi vero, qvi circa Canturiam in Anglia reperti ibid. p. 27 feq. Elephantinos non esse apparet ibid. p. 110. - Islandia gyoqye hoc fossile sovet, memineruntave Affa Hafmenfia vol. I. Obf. XLVI dentis molaris Islandici , qvadrantem ulna unius cum dimidia longi , qvatuor digitos transversos crassi, & in petram seu silicem conversi. Ne dicamus de Tenrzelii Sceleto Elephantis prope Erffurtum ad Tonnam effosio, Epit. Trans. Phil. II. 438 - de Offibus Canstatsiensis agri a Reiselio & Spleisio connotatis. - de Dente Elephanti ad viftulam ex agro fex milliaribus ab urbe warfavia diffito, cujus meminit Rzączynski H. Nat. Cur. Pol. I. p. 1-& de pluribus tum exercis tum molaribus; remittentes Leftorem ad Do-Cliffimas Differrationes Ill. D. Hans Sloane: of Elephants Teeth and Bones found under Ground; Philof. Trans. No. 403 & 404 vol. XXXV. Hoc faltim inquere volumus, qvod fecundum Plinium H. N. Lib. XI. cap. XXXVII Sect. LXII Elephantus habest qvaternos dentes ad mandendum, 'prater cos, qvi prominent, masculis reflexos. Hunc locum Harduinus interpretatur: "Elephanto quaterni dentes utrimque funt, avibus, qvsh mola, cibum conficir,, ergo juxta Hardunaan numeraverss octo molares, qvibus Elephas donatus; qvod rurius non concordat cum numero dentium in mandibulis Elephanti Londinensis, Phil. Trans. Epit. V. b. 110. in quarum inferiori utrinque unus, in luperiori vero utrinque duo dentes molares numerati, in fumma fex. In Sceleto Bouenfi non nili qvenuor a Tentrolio , petota e Binis, ochervani & de denique figura mandhalus inderioris, cuija mentionan fecimus re. Mar-Rii votera Damelo della della compensa della de

2) Vid. Hoftorical Retainm of the island Crylon in the Late undies &c. vol. Ccylonofifthe Reeft Beforenbung Quidem p. 426 & Fournat des Seavante Ibm. 21. 2. 6.

6. XXXIX.

Interim non levis ex Elephantorum Offibus, fimul ac ex foffilibus varii generis, enata est controversia: utrum in Diluvio, vi fluctuum, ex Indiis fuerint deportata cadavera & variis in locis deposita? an vero post Diluvium originem luam debeant vel populorum expeditionibus bellieis, vel migrationibus? inprimis decem Tribuum lirachtarum, ex qvibus Rudbeckius Lappones exortos effe automat. Ut filentio pratereamus Boetii, Wormii, Bartholmi, Baulchii aliorumve de lulibus natura, vel Libavri & Langii opiniones & commenta de carne fossili, (qvidni etiam de offibus dentibusque in terra vegetantibus) vel pratentas excurtiones animalium ex folo natali in diverlas plagas, vel Burneti hypothelin, good ante diluvium conflans fuerit aqvinochium Juper terris, confenventer calor aqualis, ut perinde fuerit, in quo loco domicilium conflituerint animalia; vel denique celebrem fabulam populorum Siberia de fingulari animali fubrerrango, Mamont dicto. Has lites fequi, animus gyidem nobis non eft; nihilomiaus mmen fateri cogimur, ex omnibus, qvæ probabilitatem aliqvam inerari poffent, opinionibus, probabiliffimas fortiri rationes, que ex univertali diluvio petuatur. Qvippe, nec Romanorum , nec Græcorum , nec Periacum , nec Affyriorum aur ahorum populorum expeditiones bellicas , vel in Siberiam frigidiorem, vel in Pruffiam, nedum in Islandsam conjecturore licer, unde suspicio toret. Elephantorum multitudinem una cum illis transmeusse, hisque in locis sepulsam esse; neque ullam gentem adeo indoctam dixeris. ovin dentium, vel extertorum, ulum & valorem noverit, ut potius integra animalis una cum dentibus terra mandayerit, cum fecundum Blin. H. N. Lib. VIII. cap. X & in extremis Africa, qua confines Achiopia eft. vel postium vicem in domiciliis prabent, sepesque in ijs, testante Polybio, & pecorum flabulis, pro palis, Elephantorum dentibus finor; nifi forte credas, gvod ante diluvium in terris Boreairbus Elephania fuerint conAntieqvam huie materize fine. La monantus, operze pretium effe dusimen. Letterom currigiom certiorem redere de Elephanii dour molari,
ineunet wore An. MDCCXXXVI. ad dimidium defenden lapidem, effor.
Eff bit papts & conventus pro hiffmanris for Antient-ric, cupin stool verse publicas reparate bellin, galarem es vicino collo pedemonicale de a fineviam novi. Robins bellamic marto Hafelias, tum cemporis cortencertificario al. Adaloremo, ex a ennis tracemus, adeo mitero in
cultro, ad inflar raphani, felipi paffus fic; recuperavic rames finedi tecuporis formitationer Boris; & qvidem abilitimi, non mil in cortice lovitime caleinati; bandem in manus noftras delatus, octo libraram pondus fineravit, & modo in Thefariru Rema fightum SRRNI-SIMP PRINCIPIS. CELISISIMI MARCHIONIS BRANDENBURGOCULMBACENSIS depolitus eff.

Unde infignis ejusmodi Risphanti dens molaris in Pruffiam, & qvidem in nofitram regionem devenerie, judicene illi, qvi, Dilavium nuiverfile accufare verenes, necleo quos caisis fortudos in rebus fimilibus exceptare folene, ne dicam ad inferos deficendere, & Archsum, novebnus lupidem, ad plara desconario, Commen, qua feri poteria, movebnus lupidem, ad plara desconario. Offic infolitic sugnitudina, prout fais fortuna en control de la companio del la companio de la companio del la companio de la companio del la companio de la companio del companio del la companio del la

Mrum practrea eft , wod Elephasurum dentes mehrers als nofte usyve emipora plurimm nejeleti, da unu nifa cirbeis valda feireita superatiri, cum tumne ex moli moli moli metrica profitus, a ce se produce de la compania del compania del compania de la compania del compania del compania del compania de la compania del compania dela

II. DE LAPIDE MANATI ET TIBURONIS.

E WITH

MANATUS & TUBERONUS promifeue pro pifeibus habentur. & ab antiquis & a recentioribus. Chaftar a) Manatum vocat Indie nifem cetaceum; Artedus: b) Thrichechun, pifem Plagurum, cuius dorium impenne. Ille camen addit: ,,ad Phocarum genus haud duabie referendum, Vacea marina appellatum, cujus ulteriorem deferiptionem vid. pag. 32 feaq. Synonyma spud Artedum all. logo. Francisc. Lopez de Gomara c) pilcem quoque agnoscit, duos tantum pedes rotundos , quibus narat ad humeros habentem , & in fingulis quatuor ungues, Elephantinis fimiles , capite bubalino , fed maculentiori ore &c. interdum yiginti pedum longitudine, ut secundum Rondeletium d) vix a terreftrium boum jugo trahi possit, cui videtur esse Bos marinus Aristotelis e). Addit Oviedus f), quod auribus careat, sed earum soco exigua foramina habeat, per que audit; forminisque duo fine obera in pectore, carulos binos parientibus & laclantibus, quod de nullo piice mayan audiverit, przecrqvam de hoc vitulo marino. Occiditur, dum herbas depalcitur; juniores quoque retibus capiuntur g). Ex didie gvilebet intelliget, Manatum perperam dici pricem Geraceum, fed ad genus Phocarum pertinere, que e mari egreffi, ur libero sere dormiunt. & in lattore vel inter faxa pariunt, torrellrium more, galarautem dicrus a Belan, ob boatum five mugitum, quem edit; unde nomen and Virgilium, Plinium, Gazan aliosque: Vituli marini; Italis: Vechio marino; Gallie: Veau, de mer; Germanis: Zee-Meer-Hund. Mallihenfibus & alus: Bas marinus. Capri, omnes cicurantur. & dicuntur ca propter Pilassemoi; in specie de Manato, qui in lacu Guaynabo educatus & domitus evalit, vid. Gomara Hift. Ind. cap. 21 b).

a) Senie. Lib. FI, cap. XP111 - figura p. 133.

b) A thinghetajes, fair locits, op, attauer, planes in verem schiebts, peter pro jinna holmen si dequi obtares, qua, i Bhana vegian chaire. Se frame histories
grantes printes ved, attent de parties affiliam page ε que tarres fine construire
habet chairfilles. Says in Willele, Page 2 · "Audit Repoporations, Queschiebt,
affecteurs, (Edit Merfas). Manuse contrappe ampliches, est que definimente
frequentes grantes indigas les une manuse antique parties
frequentes grantes indigas les une manuse antique parties
printes and antique antiques antiques antiques antiques
are amplicate manuse. Journal to the contraction of the printess and grantes
are amplicate manuse. Journal to the propriet in figures are given a
difficult. Que foliage pleasureges in agent heliums, interfass were by traverse frame
grantesians.

d) De pife, Lib. XVI, cap. XVIII. ex Guids.

e) Hift. anim. Lib. Vl. c. XI.

f) Apud Cluffum Lib. F1, cap. XVIII.

e) Apud Eundem.

h) Et Hermandez de Manato Lib IX cap. XIII: quem describat. vitalo parem, exprino capite turnenti, cum anterioribus brachits, forma fascum, & palis reflum raris - & mara, & lictore (ita tamen ut nonnungvam delerat agvas) vitana agentem. & herbis littoralibus - vefcentem. Condo elt silt obrotunda, ac transversion firs. Caput & os virulinum, magne nares mammerque, auriculiz parvar nec non & oculit; parvi dentes, aspera labra, & corrom taurino crassius, ac firmius ; brachin bena anteriori parte fita , qvinit diffinen ungvibus , humanis fimilibus, ac pionarum formam referentibus; umbelicus patulus eft. anuaque; sulva mulichers, nenis equinus &cc. Wermins muf. p. 58 Bochium incolpet, quod, dum Tuberonem defenbere tentat ex Theorem. Manatum delineet, ur com Cluffe dubitare videatur, an Tubero a Manato differat ; quos diverficiimos paíces effe, manotre volule. Plura de Manato apud Severinam in Avat, Pheca; conf. Dr. Berrault Defiript, andtom, d'un bean marin, notandum infoper multos vexare projudicium. Pifers effe connis anomina que in squis unam agere poffunt. Incet nec in envis generentur, nec confianter in undis permaneant, fed necessirio agram egredianear, imo Note . contra naturam pifeium . per integros mentes vel annum cates agram sixone, quan tamen, cleural, polica averlantur, quad egomes lofe expersus lum non Gillim in Phoen fed &c in Collors. Sie Domnou Perroule mirari videtor, cerebrum Phoen meiora voluni na effe cerebro pricipm: "Les repis & les carités du scewend desent comme an venu; mass at y avost plus de cervelle à proportion, qu'il un'y en a dans le tôte d'un venus ce qui est contre l'ordinaire des genffons, eri n'ont. ugre de tres peu de cervelle .. El porre : "Les maturabiles ont observé , que ces animal ne tiene rien de la limpidiré iles positions a moss qu'il egale la fâgacisé la plus Calville des animous serreilres &

E contra TIBURO vel TIEURONUS; Tibergon vel Tuberan Luft. gvem Rondeletsus a) pariter ex genere vitulorum marinorum effe putat, Gelnerus by vero Gladium aut ipfi cognatum fulpicatur, utique pileis eff. & gvidem Galeorum omnium maximus, qvi Canss Carcharias 1. Lamia Rondektii, Gestieri, Aldrovandi & ahorum; a 1000 ad 4000 libras Aliquando excretcens. Marcgravio e) oprime cognitus, & de quo Willugbb. all. I. minime dubitat d). Tum in Mari Mediterraneo, tum in Oceano abundo reperitur. Bellonius e) differentiga Lamie & Cartharie in co ponit, quod Lamie os in anteriore capitis parre tribuat, Carcha-

ET TIBURONIS. Carcharic vero roftrum in mucronem exportectum. Ille Gracis Adume

Et quis vastus Aper superabit robore Lamnam. Oppian. Communiter enam Lamis cartilagineus pifcis planus & latus, longe manime molis dicitur; Jed hoc nomen a multis Cani Carcharia imponitur; Hung & Mercatus f) Lamam appellat. Sufficit, hoc loco nosse, quod Tiburo & Manati diversa plane animalia fint; & recte Joan. de Lact g) "qvod male confundatur Tuberon pifcis, qvi non alius eft, qvam Canis "Carcharias aut Lamia", com Manari., Sio gyoque Du. Srubbs h.
"A Tiburon and Shark be all one, and differ from a Manari, or Sea-Cow., Supra nominatus Gemara in Hift. Mex. miranda & vix credibilia de Tiburone narrat.

a Lib. XVL cap. XVI. de Pife.

b) Sub ut. de Can. Careh fin Lamin, Lib. IP. 2. 273. Hor autem ex Gillio hibet: Ronderettein & Gefterum excube Willneht. Liv. 111, cap. 1 p. 49.

c) Hill, Pife, Cap. XNP, 17-8. Hie obster moneradum, quod autor non nifi (rium foraminum pore caput in utronye latere intertionem faciat, sum revera omnre gale; e foraninibus font infructi. De quibus in Miffa HI.

d) Conferatur Bieremb, Lib. XII. c. 24.

e) De Arvaril, 2. 98

5) Merallock 2. 333. Conf. Scenonis Diffell. Cap. Can. Carch, - Asy, Stilla wava Specular - Bosc, Rech. lettre ag.

of De Gem. & Lap. Lib. 12. cap. Fl.

by Observat, made in a voyage to the Caribbee Islands; Epit, Daniell, Phil. 111, erg.

Modo, licer fuperficiarie, confideratis diversis animalibus, Manato & Tiburone, eorum, qvi vocancur, LAPIDES paulo propius intueamur , ac in Migu I. g. XXII. p. 22. & g. XVII. p. 11. figri non potuit. Qvod ad LAPIDES MANATI stringt, cum (M. J. XIII.) diu obti-nuit, Manatum pifeem esse (vid. Miss. I. J. L.), alicer fiert non potuit, gyin & consvetudo introduzerit, certa corpora dura ex Manati capite lapides dici, pari ratione, prout alia corpulcula dura, quali filicea, vel etiam tartarez tubflantiz, in omnum pifcium capitibus lapides audiunt. Infirmitatem mean acoulo, quod din dintius intelligere non potuerim, quid hac fibi veint : Inveniri in capite Manati pilcis, ex genere Phocarum , pedes elephancinis vel manibus humanis finules habencis ; manfyelcentis, hominum gento fe accommodantis, pilofi, gramme & alga vescentis, herbasque in littoribus depascentis (virtutibus reliquis) Lapilles , parvæ pilæ lufbriæ magnitudine , interdum & grandtores , pro piscium magnitudine, non tamen orbiculares illos, sed ejus offis forma . gvod in balifla renium nervum retinet . & gvidem : prout landes in Coracini & Umbre capite a).

.a) Confule Autores inprimes Wormines p. 58 cum gro & ego pacem tantorum viroquia malis quain observanter expero ; in empileas licet Wermie subservibere neovem.

Volutis itaque & revolutis libris, Lapidumque figuris Manati, qua apud Chifium a) & Joannem de Lact b) exhibentur, plus fimplici vice ledulo infpectis, tandemque in memoriam revocans manuductionem Illustr. Dn. Hans Stoane c) in verbis: "The Manati Scones pre "brought from Samana, and taken from behind the Ears of that Ani-,mal, each Ear having one, venic mihi in fuipicionem, nihil aliud effe Lapides Manati , quam ove in snimalibus terrefiribus zque ac in phyfeteribus appellantur Offa perren vel petrola d). Sed ecce, nova follienudo; Decrat mihi exemplum, ab omni parte inspiciendum; hoe tandem mihi benevole suppeditabat amice colendus Nobil. Dn. Conradi Berolmentis, eni jam cranium pifcis, quod Synodonzidas fert (Mill. I.D. 22.) debeo; modo nullus dubno, qvin illius utrinque defumpta figura

T. tv Tab. IV. fig. 5 & 6. partem referat danidisti Offis petrofi Manati , rice 65.6 fi confereur cum figuris, qua tam apud Clafium, qvam inprimis apud Lactum profiane e). Cochleans cavinaces, vel mentus auditorios, qualescunque appellaveris, de muruo excipientes, exploravi fetis porcinis 22. bb. aa. & bb. Tertia fera c. os pertranfire reculavit ; Religva perisioribus

c. committens, vel illis, qvibus cjusmodi Offa petrofa Manati integra &

inviolate ad manus line

a) Enor. Cop. XXXII. p. 926. Figure Lapidis Ciulias inkriofit titulam. Lapis Bibura. num babitus, led verins Manasi.

- b) Do Gene. & Lap. Libr. 11. cap. VI. conf. Laber Phy. del Amerique Tem. 11. p. 200. ubs figura ; grem Lamenein vocat : "Les h Gognels appellent Manair ou bianaati , c'eff a dire , posffon qu'a des mains , de que nous sentilons Lamentin , on apourroit, ce me femble, l'oppel et vache marine ; la gueule, ses mamelles, ufe manuere de mettre dehors fes petits, de les allaites ayant besuroup de rapport à cet manimal terrefire. Hoe non obliante , autor par ant. hapet animalis pedes potius ginnes dixerst , gram pedes vel manus ; aden tamen g. 200 ; ale ne ferat que atelle à perfonne pour ne pas embrader mes le cena
- c) Vergre to Tamaica : in introdutt. p. L XXXV.

d) "Pergeram

- d) "Petperum confunditur com lapide Tuberonum neque proprie laple diel potelt, feg monius Or dur ifficemen milier lapidir. Figura autem at plurimum talis eft, qualem exprimi acurarmus... Lace, all. & Worming rem gradantenus acu tengit b. 520 "Un fine sambagibus dicam quod res est: shud, quod pro lapide Tuberonum vendunt, launis non eff., fed on ad auditum forctans, good in omnibus Caris auditum habenwides repertur, disturgre ab Anatomitie cochlea, cayitas cochleata buscinata, wantrum buccarofum: nam gyros haber fe motuo exciptentes a toye tenuishima was molliffima membrana fuccingitur. Quod de Owieder diffitera non videtur , ude Manari porns &c. u
- e) Quibus adde Romphii vel Haima lignram lit. G. 2ab. LVIL Maf. Ambain. p. 312. in mer, ven Steen byt het hoofd van een Zeckoe; oui vicinus eft lapis; uyt het hoofd van een Zeevvollf lie, & forlan ad lapides coracina yelomben aldeanandi referendus,-Dn. Perrault all. I. de Phoem offe (entre le gros & le petit cerveau) verba ficient, adtit : "cet as eton plat & points, & non rond & mallit, tel qu'ell celui qui fe senure dans la tete du Lamantin, qui est une espece de veau mann des Indes occidentales , & gre l'on there fire un os , qui a une vertu particulere pour diffoudet Le plerre des reins & de la veffie,

5. XLVII.

Ex diffis tamen non inferendum effe judicamus, Animal MANATI pifcem Ceraceum fore, vastiffimi Pifcium Cocnobii Clauftra fubiens, vel ideo, good paria cum Phyleteribus habeat Organa auditus, que offa petrola audiunt. Si quis enim fic perverle argumentetur, fequeretur, quod omnes Phoce, Caffor, quadrupes licet, plagmens tamen, & quidem cauda quan fquamata, pedibus poflerioribus, prout phoce, anjerinis, nec non Crocodili & Salamandre aquatice, qvi plagiuri funt, cauda verticaliter plana, pitces forest Geracei.

XLVIII.

De TUBERONIS LAPIDUM numero autores non conveniunt. vid. Miff. I. J. XVII. p. 11. Ahi duos, alii, prout Mofcardus & Calecolorius, non nifi unicum in Capite Tiburonis vel Lamiz five Canis Carcharie numerant. Clufus, cum sutoribus citates, ternos sue quaternos, interdum plures, ex parte concavos, valde albos, magnos ponderofosque, ut quandoque duas libras pendant, & qui facile abradi noffents Veritati conforum audit , plures dari lapides in capite Lamiz vel Tiburonis , quan duos ; fi enim pitcibus diffimilibus ex. gr. Raje (Mill. I. p. 34) cartilaginco, & pilcibus ipinons commune fit, quod tribus paribus vel lex lapillis minimum gaudeant, qvidni & aliis ejusdem generit pitcibus, ut Roje & Tiburosi. Subflancia Lactus mollifilmum, friabilem initar pollmis, & candidiffimum lapidem effe dicit; cumqvo

conferatur D. Symbis fupra all. l. , The lapis Tuberonum is a kind of fria-ble caix, when it is brought hither, yet when it is first taken out, it is not fo, but a white substance, near approaching to the nature of "any brain, ad encompais 'd in a transparent Gelly (prout lapilli in cramiss pricium (pinosorum) "The Gelly dries all evey, ar it is exposite the fun, and the white Sublance dries into the Body, he ipeaks of., Owod faris convenit cum observationabus nostris circa lapillos in capitabus Raise; Nulla qvidem nobis eft occasio, interna Tiburonum icrutari. gvod aliqvando erudite Curioli juxta mare mediterraneum in le Juscipiant. jererim tamen LAPIDIS TIBURONIS, cujus mentionem fecimus in T. IV. Miffu Imo accuratam figuram fieri curavimus , condemque in Tab. IV. 62, f.7, modo exhibemus; Reliqua de TIBURONE Missus III, ubi de

PISCIBUS . avi BRANCHIIS & avidem OCCULTIS gaudent, refervantes : Satis mihi eft, propofiram rem acu qvidem pupugifie, qvam aliis, avorum judicio atque ingenti felicatati plurimum tribuo deferoque, accurating delineaudam & demonstrandam trado; Jam colophonem huic

Missui imponens verbis Wormin:

MANATI ram in fluminibus ayam in marl capitur, tefte Oviedo: TUBERON vero ceraceus pifeis est tantum Oceani incola, teste: Francisco Hernando. Manari pedes habet : Tubero nullos. Manael branchias nullas haber. Tubero urringve gvinge. Manati pifcis eft, aut Amphibium docile, mire, hominum confverudine gradens; Tubero ceras ferox, maleficus, hominum devorator : a) multisque allis inter se different proprieratibus — . Diversi igitur cum fint pisces , alius crit lapis MANATI , alius TUBERONIS.

a) AyBeamoDdyos, arifloteli.

Seneca Lib. VII. quaft. natur. Cap. XXXV.

Natura munera fua non fimul tradit; nec omnibus patent; reducta funt . & in interiori facrario claufa; ex quibus aliud hze gtas , aliud postera accipit & depromit-

In M'ffa 1. Corrigenda: lin. 5 lege: Segerum 4 post Rajus verba, pone: - 16 in exitti dele -- 4 a fine, lege: affumptis - 9 post verbum habebant, pone; 6 . X1 & XXV. - I & a dele a 6. XXXIII. - I lege: compendiarie - 2 - gyas lubenter 7 lin I lege: conque p. 15 - 15 - lutori p. 25 - 6 - intercionem p. 28 - penult. lege: dubirandi p. 31 - 11 lege; ca fellis veficula p. 34 - 23 - cavati, mox in cuspides acutifimas, 24 - hamatas, reflexi. p. 34 lm. antepenult. lege: poruit p. 35 In. penult. lege: orbiculari.

§. XIII. post privarentur, adde: prout Tursiones creduntur wflare furdi, nec ffrepitom teqvi, hyeme fatis Burni. Th. Barthol. An Hift. XXV. Cent. II. 6. XXV. post varia existere, adde: vid. Rumph. Amboin. p. 312.

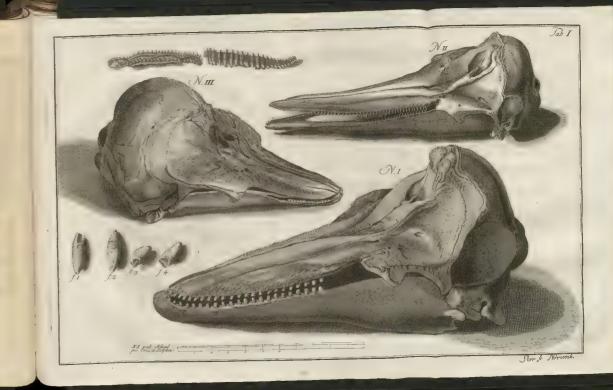
6. XXXI. ad finem in margine: - - Tab. V. Fig. E. XXXII. im. 6 in margine - - Tob. VI. Fig. II. p. 8 lin 3 in fine, adde Incurvos Scarus hie feopulos & faxa fre-

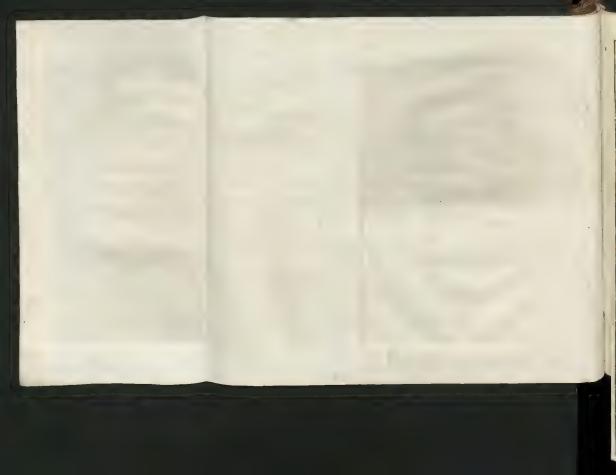
quentar Que mutos interpilées elamore tremendo Intonat -Oppianus; fi genuina lectio eft; num inter fonabiles pilces Alianus H. A. Lih. X. c. 11. fearum non commemorat-

p. 22 lin. 2 post verba SANCTI PETRI adde: noram (e) & infra: (c) Qrian pifer umominata ftaterum Matth. XVII. 26) deprehendit; sneigntare, nedum deftribere aufi funt. Conf. Commin. inter. Normb. 12160, 212 3: 202 - An. 1219 p. 209 feq. nonnulla de his lepillis.

p. 29 lin. 10 in fine adde: vid. Thyfon. Phocena p. 39lin. 27 poft. figuram dedit, adde: vid. Thyfon. p. 41. lin. antepenult. post p. 6 adde: &41.

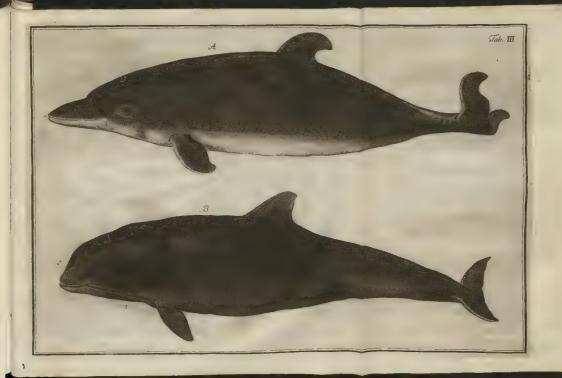
In Millu 11. p. 16 lin 19 lege vetustorum autorum p. 18 lin. 8 lege Cett. ń















JACOBI THEODORI KLEIN HISTORIÆ PISCIUM NATURALIS

MISSUS TERTIUS

PISCIBUS PER BRANCHIAS OCCULTAS SPIRANTIBUS

JUSTUM NUMERUM ET ORDINEM REDIGENDIS.

CUM OBSERVATIONIBUS
CIRCA
PARTES GENITALES RAJÆ MARIS,
RT OVARIUM GALEI.

Tritonum penetrare domos Glaucique receffus:



GEDANI, LITTERIS SCHREIBERIANIS. 1742-

Seneca de otio Sapientis XXX.

Utinam quidem jam tenerentur omnia, & inoperta ac confessa veritas esset: nihil ex decretis mutaremus: nunc veritatem cum eis ipsis qui docent, quarimus.

VIRO. PERILLUSTRI. EXCELLENTISSIMO. CONSULTISSIMO.

CHRISTIANO. WOLFIO.

POTENTISSIMO. BORUSSORUM. REGI.

A CONSILIIS INTIMIS.

ACADEMIÆ, FRIDERICIANÆ.

PROCANCELLARIO. ET. P. T. PRORECTORL

JURIS. NATURÆ ET. GENTIUM. AC. MATHESEOS.

PROFESSORI. ORDINARIO.

PETROPOLITANO. HONORARIO.

ACADEMIÆ REGIÆ. SCIENTIARUM. PARISINÆ

ET. SOCIETATUM. REGIARUM. BRITANNIÆ

AC. BORUSSIÆ MEMBRO.

HAS

HAS, PLAGULAS,

ANIMI SINCERO, CANDORE,

VERBOSÆ, POMPÆ, LOCO.

DICATAS, VELIT.

NUMEN. PRO. SALUTE.

VIRI

OMNIBUS. BONIS.

CARIL

VENERATUS.

MATERIAM, IPSAM.

ALIIS EXAGGERANDAM ET. EXPOLIENDAM.

COMMITTENS.

AUTOR.



PISCIBUS

BRANCHIAS OCCULTAS SPIRANTIBUS.

xpeditis nupertime Pifeibus, qui pubnonibus, more quadru-pedum, gaudons, (Miff. IL.) imperfentierum nobis fermo ern de pifeibus, qui per BRANCHIAS & quidem OCCUL-TAS re pirane, in ordinem naturalem redigendis.

6. II. Sunt autem pifces branchiis occullis a) qui pone coput spiracula habent vel lateralia vel thoracica. b.)

- a) demande in diffeto pifes ex canom genere delirefesses vocat; 30 Branchistum quin-agre paris fab cute delirefessión (uos, led exignos habebant histus con infesiptes, haua flam pre aquam emitreptes,
- b) Rondeleeius Lib. XII. p. 379. minus diffinste branchias Bepedinis in medio free corps-Remiterant : alii in mothe venere. Thoracem publium appellabemus, ubrin rajis fimi. Ebunque fieus eff fpraculorum; Genenium, Needhamaom, Wilinghiegiam & plotes autores fecuti. Semenias de reja : ", diffinctum ab integente totam thoracis cavita-

ntem menfenna periordum delderbuter... All prédict therseem dangere videnture, caus words-pardatione prosents integr corspets perme modegares count i se, ett, quad pinne laterales & ventrales fleyillères que con effecte per viden; nor fest terranes, vi lemeratures, avant permette (genes in 1530 des) en viden per viden; no Infiger cotandum, quodan ventre fleyius pinne plures, an interfave verte onn ell ... note prema affit.

. III.

Spiracula variant numero: Lateralium tune: vel qvinqve, vel unum, vel leptem; Theraciorum vero constainer qvinqve. Branchie pulmonum vices sibeune a). Per branchias itaqve, earunque spiracula abloquinum, qwein animalisbasterrestribus audium: inspirato et exsiprato (b.

- a) Conf. Rpis, Trans. Phil. Land. 11, 8 47. Raj. in Willingbb. Lib. 1. cap. V. de branchiis & reigiration: pictum. Randeles, Needbans & alis.
- b). Mempeya parlant finiranis, gred orjentanen parcular vel olitz vel notenberances in nifenbu, operant metardi in o quest artinger. Tear. 1. n. para versena metardisen transper artinger. Tear. 1. n. para versena metardisen olitze silmpitam serum denstreamen. Tear denstreamen artinger. Tear denstreamen artinger. 200 per particular, option segment after insurgana niferconom, 2 service branches arting original particular par

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Ocultat distinus brauchias, super Rondeletis, Severino detelle a) andium, Iddil II, 6 k.V. U edifferentis mayos chacters, occuitas brauchias examplir illustramus deliumptis s picibus vulgatifiumis, piraculia lateraticias, con a proposa deliumptis s picibus; ab deagatala b) intriumi ac Laurentinis, proposa deliumis per per la companio deliumis angualta deliumptire centrale deliumis delium

- a) Techa quidem funt figuanosis, quales funt Auratus, lopi éco. Sereda vero funt cervidagineis sumibus, excepto Acipendete, Attilu, quebus operculo techa funt branches, iscet castrlagnici funt. Sever. amiljer. p. 110.
- b) Anguillam viz toletandum dicit Petrus Artedus Nom. Gen. p. 73, quod fit diminutivara

OCCULTAS SPIRANTIBUS.

the design. Genete suppus dest field Refession, suggested in Pypel Aust, p. Synythous desir Sie, Allance, que que annous mon compouter pour positioners des la leun Genethers. Australiance des des consigles de Bifert, melt p. Byr. de pilolines. Uppella si p. ar., Empirian. cus vicinge de Complete, melt p. Byr. de pilolines. Uppella si p. ar., Empirian. cus vicinge de la complete de Minerama versalementals; unde pella sincere est gazon de piloline, per se commentation de la complete de la complete de la complete de la Mineram primipe destruibble certainers per se commentation de la Mineram primipe politoristico de la material de ja estato, qui publica limente pundet suppella ju soficire arqualista common malete destruita de la piloline para su destruita de la piloline para del piloline para de la p

- 6) Nome for lations seem knotneau & male motes sulles, eyed lampetta fignification qui dantelle processor; in citude lassem dificilitatio morra genera dell'internatione questi develope questi develope processor; in citude lassem dificilitation area morrare sulle primitation de males. It application area formation primitation designed dependence de la distinuaria designement de preventages maint unique figilication; autoritation designed dependence de preventages maint unique figilication; autoritation designed de la distinuaria designement montante in Processor ainfa de Vigilication de la distinuaria della distinuaria distinuaria della distinuaria distinu
- d) In capate emmet robulus bervis fau fil. d., qua aquam excipet, quam per benuchus elidus emmiti, lingulum rusurus mech-nifuso, dum au admarcus petiti (ginique & prastu rusurbus ante candidor, ceringina al, filiper, Borneláse Lampeura ab Olig. Yarakse civilistas vid. in Ali, Med. Mafin rol. P. Offers, XCP 112. Red valot ingenties.

6. V.

Ameryam autem ulecrius progredirur; in memorium nobir revoemus VIII., oi impres honos nomenyo fium lundespre nanobnus, gradens deltum, govd., mulsi nr e plus filti dare confluererint hornines, grampub ingenii fili virrbus jetebaudi applaudum; a). Hoc procul a nobis elfe volumus, proue a noftris procul el omnis veflea libella; necama
plenalde de opoli nottre dispositionis, mullis artificiis inadificates, opinanur, ac fi nulla melor disposition vel carler vel excepiaral quees s' cum
carte il farispositio que que el multi ingenii, lecer ensa revisionens mors
elfenti farispositioni puno que el multi ingenii, lecer ensa revisionens mors
elfenti farispositioni puno que el multi ingenii, lecer ensa revisionens mors
elfenti fervisio fecharum licuite- ur., postholar figurenorum acque commemorroum activoritaris, notavani aliantina doster revisioni controlaris, postavani aliantina del controlaris postavani aliantina del controlaris postavani aliantina del controlaris postavani coloritis productivo in remotro mentioni producti se carditis fine difficultaria introbanti.

- a) H. Boerhaux, orat. de comparando certo in phylicis: al inicio.
- b) diem ibidem eires finem.

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Horum Tabula generalis:



2) ser. Acht. 1.2. p. 3., «Chardiarus a consen parlin p delingti, omnibus reliqui abuvecibus, de servicionis finicire, Se quel planta o sente Hancisson coloria; j. G. p. p. «Chardieux cracitigicorum parcei a figure de consent formación abuveca. Numa reporta de presenta de consenta de consen

He diffolicione duce, experiar pitce branchii occultis mini reddere familiare, quatentu delor pinose apud autore, nice. Suun cual que religiote rebam, omnque, que me dece, modellar. Suun cual merperat a minatar, a bit vertes postiuvers; premo de distributar por la composiça de la compo

OCCULTAS SPIRANTIBUS.

prehendi, idqve ubi in errore perfeverare malumus, haud levi cum detrimento hilloria naturalis. Modo ad rem-

6. VIL

AD LATERA PINNATA

Sunr pièces longis corpore fpiffo; capite vel roftrato, vel ex transnerfo fito; ore vel longitudinaliter filfo, vel in prona capitis parte transverio, ad legmentum circuli qualectunque hiante, vel ranz ricluique fimuli; aut deutito, aut limz indira alpero.

- I. CYNOCEPHALUS. Capite roftrato. Ore longitudiualiter fifo-Roftrum or fuperans habet; hoc, leiflura ample, horrende dentatum. Rapinam, 'protuc canis veragus, yeldeorium, yel ad larus parum inclinatus capit. Priicis gracis de larinis CANIS; füydem onnoullis a apitis facie voracience eximis repre lagocitate odoranda canem referre dicitur a); alis Lamia, Tibure. Areado: Squalturqudit b).
 - 3) Laure com part Guir (van Cesir vendarlum, A sporter, Canedad lineaced) prince, qualification attenum neuro metalen, A dermina assess, qual di servizioni neuro metalen qualification, A dermina assessa, qual di servizioni neuro della propriate consistationa attendante avape particolare avape particolare avape particolare avape particolare avape avape avape particolare avape avape avape qualification avape a

b) De fovato vid. \$. 12.

6. VIII.

Cynocephalus Albus, a conflanti colore albicante. Angl. the
white Shark; ^{χωνες} Canis, Arifor. Oppuani & Æliani; καςχας ακ Ακόσωσ & Τδεορθναβί, α κας χας ω, α cutum afperum,
(A) 3

L CYNOCEPHALUS

unde Ariflot. Kapyaesooja: animalia, qvibus acuti perlina-tiuqve coeuntes dentes. Tiburo, Lamia, Lamna, Autoroms confer: Willinghib, p. 47. & Dn. Hans Stone H. Jannare. I. 24. Bos bellua & canicula P. Jovin de vom. pijc. cap. III. a). Sqvalus dorso plano b) denribus piuribus ad latera serratis, Artedi c). Scaligero, Bocharto, altis, pilcis, qvi Jonam Prophetam voraverit, audit. Integri piicis accuratam figuram nullibi offendumus. Gesneri, quam dedit, figura arbitratia eff; neque Aldrovandi figuris fidem habeamus, fi vel capita pileium conferantur cum Lamiz capite, facie richuqve canino, cujus effigies proflat in Mercati Metallotheca & apud Nicol. Stenonium, qvi caput diffecuit. Defideratur ituqve famati hujus pileis icon ab omni parte abfoluta. De lapidibus in Cius capite vid. Mill. II.

- a) Ibi historia Æthiopis sh hoe piles devorati. In nostro exemplo libelli ad marginem Gripta "Jegimus verba: "con una terribile apertura di bocca. Nogli anali di Genona de "Giofiniano li legge un fimileafo d'un finciallo more, fchiavo de Luigi Giberto, ache nuceando con altri finonelli fa inghifico da un peles di focus canna pe "Confer Rowferer & Dn. Have Sloave M. Jam. 1. 23. "Thole of Nice told Gillias non of four thousand prand weight had been taken, wherein was a folid man; and a titofe of marfeilles took had a longatum hominem in blue, Maffiline & Nicemallquando capta funt Lamas, in quarum ventriculo homo foricatus inventus.
- b) Porius latieri religyorum dorfit. Dardom breve, ad muftelos comparatum, latifilmum ell, Willingho, p. 97. Aldrov. de pift. 0, 2 32
- e) Si cris dentes foffices, vulge gloffopetras, & ferrates & fimplici vel levi acle acumingtos, maximique modull, cum dentibus Lamiarum Canumve l'actenus cognitis contilorit, ultro fatebitur, dari horian plutes spectes, ovam descriptas habemus, negre omnes hojas generis plices ferratic inflrustos elle densièns. Exempla defomantur ex Aldren, Muf. mezall, p. 611, Betlere rationbus; Schenchzere querelis pifrium &c. ubi. inter alios, dens meximus acie vel ora non ferrata, confer. Scenoni diff. cap. Carebavia Tab. VI. Esc.
- 2. Cynocephalus Glaucus; a conflanti colore, qvi in dorfo pulchre caruleus, faturacior, in ventre argenteus. Angl. the blew-Shark. Galeus Glaucus, Rondelet. Gesn. Aldrov Willingbb. Savalus fosfula triangulari in extremo dorso a), foraminibus nullis ad oculos b), Artedi. Yhauxos Ælianis Charle-

roni el: Regvies Rochefortii & Lahati voyag, de l'ameria que Tom. I. p. 45, qvi & p. 51. monftrum marinum exhibet, canem referens, cujus figura monfirofa eff. Beslers canis marinus, ein Meer Sound; roftro fimo; dentibus laris ferraris: non ramen omnibus.

- a) Velad exortum caurin : Willinghib. p. 500
- b) Williaghs. A. 40; muills pone ceules forareinibus, que a Gensia aliisove cartilagineis udifice a good in suspenso relinguimus s ejusmodi foransina pone oculos a nonnulist pro Auribus habita, quodi pet in ons cavitatem pateant, fimul tamen in cavitatem an-Balluofim granto infeniptam viam dugant meatui auditorio analogam ; quam inqvisame our de Broces.

OCCULTAS SPIRANTIBUS

- t) Carn. Brusnins voyag. Tom. 71. edit. amfiel. in fol. p. 220. Golei mentionem facit; wovi grott 45 petits dans le ventre . lesquels en fortirent auffitot, qu'on l'eur ouvert. . & fe mirent a nager dans une cuve d'eau , qu'on avoit preparé pour cela , de que le moundre de ces possions etoir clus gros, qu'un merlan. , An fuerist catali elus, qui ventrem vel cottus ventriculum matris Electe intrare de exite perhibentur forout Rays. deler tangvam tellis ocularis in volpe marina observavit, de qua etiam Willinglis. p. 54.) an vera alis pices, cereo non cunftat, non videtur verifimile, galeum 45. catolos fimul fovelle & una vice exclusifie nifi fuerit proles ex familia adoptata; vid. M. Maffenii Imag. pift. in Speculo veen. occulte p. 294. 65 897. Ravif. in off. 4 7. 4. 4%
- 2. Cynocephalus roftro brevi. Maltha Rondeletti; cuius fatis angustam dedit deserptionem; hashiamus, an ad Canes an vero ad Galess referendus sir, heer punis, cauda & mornis partibus a cane non differre perhibeatur, nili qvodalba ocuforum nebula careat.

6. IX.

II GALEUS f. Muffelus capite roftrato; ore transverfali, prono. Nomen antiquiffimum & ufteriffimum; yakeis Ariflot, ya-Afa Suide; hine yaksaida Tiz Siav, pilcium genus muffelinum. Galeno yakeoi & yaksanouou, yakn, yakin ctiam felem fignificat. Nec prifei huic generi nomen gratis impoluerunt and the yakes a mustela terrestri; fi enim pilcium prone jacentium caput, tanqvam principem corporis partem, paulo attentius confideres, (atis responder capiti Mustelarum, in domibus, horreis sylvisque oberrantium, producto, leviterque rollimo. Reliquum corpus partier muficiarum

II. GALEUS.

more graciefelt; in prona caplitis parte es transcorpide, & in sluyou legimentum circuit figurescup, ad inflar felum riflus. Hine Randelettus Lib. XIII. cap. t. "nomen a corports habitu, multells filmiti, datum neft, & Lib. III. Lap. XXX p. 3782: non Johan hanc bendital meterican corports roundine & longitudine ricertum (Gelel) led & Ob hila que cum ea commission de la commissi

- a) Non recordor, alium priftorum, przeter Plinium, hoc nomine (& femel gyidem Lib, IX. cap. XXIV, ibs. font Artisti groupe grammi non plan.) uform effe, certientare Maffaring, Threebus & Salvianus, non Squaff fed Gales legendum, pvia Galees recevit drellers, ox ovo integroin seput 14. H. N. Lib. IX mutuatus eft plinint. Aldrevandur Lib. 181. p. 37 \$. & Lib. V. p. Son pariter leget Galeum, non Squalam, quisquid dicat Vuottonus comque fecuti Randelesius & Harduinus in not, & conend, ad Plin. File. 1X num. L.X. fuffmentes, good reffe locature Saffaluse & addingt : Print. we Order vocalie fourtes five fourtides, id ell, horrendes afternous; funt coim openes aftera cote, & Avalues sees pro fordida dixiffe antiquos, us ; vestam favalam & fordidam. Ergo omnes pifes fordidas, horridos afperosque, ut ragar, orbes mueleates, hilleites, plures, cum Plinzo dixera Squales? utpote qui magis horridi afoet) & fgvalidt funt Galeir. Sed infuper fgvalus effet nomen affellinum, gvod elaviffence arreduc plane relicit. Hellongo & Akirovando Sanadar valde Altenterna nifereft . & ad Cephalos vol albumos referendus . Bellen, de agracid. Lib. Lo. 235. C. 2. 216 addit: caveto, ne pro fevalo Scarum professe. Louesfeo major evadit, idemp. #12. Aldronandus peculiare capue, XVII. habet Lib. V. de Caputone Aufonit, fire founde enterants aviad Grobalos pertinet. Ab Quidio fovalus accenferur plicibus in herbofa arena degentibus : Et fevalus, Se tenui fuffufus fanguine mullus. Roma Se alicular In Italia de hodie fovalas audit capito vel Albarous Aufonii; confet. Parre de Re rull. Lib. M.L. win tertia parte gris habebat pifeinam, mil dulorm? Bein es d'untaxat sepue sales de mugides pifces ... Sana, nemo Squalum vel Galoum ultro miferit in pifcicam. ph mugites.
- Galeus Acanchias, five fpinax. Muftelus fpinax. Angl. a picked dog. Sqvalus pinna ani nulla, corpore fub rotundo, Artedi; cum tamen pinnam ani habeat b); vide pifcem pronum

II. GALEUS.

pronam & fupinum Tab. 1.f., s.c. and dimidistant magnitudi-rab.t comp pidum. Whitephop, de hoc pides: a pinnas in dorio 6.c. dus obtiner- in uriusque meriori part pinni-pinnerum in severe dus paris, a de branchias unum (feet non tobbe) al citat mediam paris, a de branchias unum (feet non tobbe) al citat mediam rofte de rero cousenterum, Care non tobbe) al citat mediam rofte de rero couse in prona pare; ubil de nners fum, non in fupina roftri parte, prour in figura Safeti. In Dentes pilem habet, Williaghofur ais, acutos de refiexos; quod non dixernus func enim pifei loco dendum labili lime inflat afpera, prour conmultis rajis e.

- b) Et geidem dugliestam live conjunctum, inter noum vera & caudam caret pinna.
- E) De Galeo acanthus feu fernach fuño, Grantent: Sagree, Se galeo acanchus chipi exocico vel, Welleybé, p. 22. Hune Cleibae relectaram de exanteratum contaxat conferent,
 de adult Willingbéspar; a epi tamen ad hog genu propide ann pertinet;... Forte factitius faut, prout saya difformats folient in Species balific).
- a. Golucu Instr., Orea Spero a contribu in Studies (apralus destr.), Arreda. Galeus to visi Sondel. Malleus lar visi France. A collective visi Sondel. Malleus lar vis primus Salaviano & Willaughb. Pelce colombo, Romanis; et he Smooth or unpriebly hound, Angiel, Frionarum numero fitus ob Acanthia non differer decieux; cum tamen, prater lacerales pinnas; eres habet vendantes, dansed amun, et unicam intere anum excereman control de cont

Galeum afteriam Randelet. Gem. Alternandi, Muftelium fellerum five varium Schönti, & Willingsbeut & Gelebis Garahte Linease pro varienae Galei levis aggocium, qorum nominibus tubleribe. Forte Alleria et alle production continuo fulle filleribe. Forte Alleria et alle production de la continuo fulle five afferienae, qui non nili fire production. Production in the continuo fulle filleria guade, que fenfine evaneficant; productiva ovum appellar, umbilicali Fab. 1, f. 7, 8 be sur fierica. The tutos excludium belle variegatos, qui pedetentim eleganti pi. 4 p. clura privatura, sigeriminumese colorem induum colorem filleria.

3. Galeus, rofiri extima parte pellucida, dontibus acutis, in tres ordines dispositis. Squalus naribus ori vicinis; foraminibus exigois ad oculos, Artedi. Canis galeus, Rondelet, Canola Sakvians.

(B)

II. GALEUS.

a Topo, Anglis. Entii descriptionem vid apud Charletonum in Mant. Anat. & Willinghb. p. 51. seq.

- 4 Galaus capite respreçue brevillimis, ex rufo & cinerco maculis nigris varius. Speudias ex rufo varius; pinna ani medio, ineer anum e ciudam pinnaema, Ared. Canciuda Arfula, Robolet. Aldrew. Carubus Salvanni. Pelcegano Venet. a Bounce Carubu. Wilhighb. p. 22. Roultere Gallist. Maxille purbus dentubus acultorum hamatorum (su uncroffin recurvorum ordinibus influctles; in maxim dieticrano frequentifilmus.
- Galeus einereut, maculis nigris ravioribus fed majoribus, qvam in præcedenti. Sqvalus cuncreus, pumis ventralibus diferetis, Artedi. Canicula faxatilis Rendel. Carulus maxumus Willingbb. p. 63. Carulus major, Sabbiani.
- Galeus dorfo pulverulemo, tentillum rubente, maculis inordinatis, exiguis, futeis albidisque varius. Squalus dorlo vario, pinnis ventralibus concretis, Arzett. Mullelus fiellaris certus Belanti. The rough Hound or Morgea Gornub. Willuobb. p. 64.
- 7. Galeus brevis , rzafius, primit dorialbus fpinofis, ano sudes prockmo. Baleus centrilan, Gran. Sepulus pinan ani caren, ramon. Baleus centrilan, Gran. Sepulus pinan ani caren, ramon prome de lispina, concretam vid. Sulvian figuras Contraca prome de lispina, con processor la lispina, processor la lispina de contractor la lispina de la lispina de la qui a oferiu monta processor la lispina de qui a oferiu monta processor la lispina de la qui a oferiu monta processor la lispina del contractor prima pinan penetrans finan ex adverto ani caudam teripicit.
- Semenine in tillesto pilos excanom genere infriestor. Centrinis malculis folis datos aculeos. Semina denegatos effe, conf. Olig. Jasobai objecu. amazem. pricis centraes in ada. med. Hafn. vol. 15. obj. XLPA.
- Gilèus cauda longa , falciformi poli exortum pinni. Squ'alus cunda longiore, quam iplium corpus, Arvada. Vulpea marina Phimii Wilinghb, p. 44. Teb. B. 6, 7, 2. Vulpes Goleus Germ. Rendel. Vulpecula marina Jah. Simia marina, Bellonii. The fea fox or ape, Angl. Corpus breve, cauda longitudini Cornoris

TE GALETTS.

poris fere aqualis, quodammodo enfiformis e); more aliorum galeorum f) pullos fuos, cum eis timet, intra fe recipit.

- e) Rondel, candam vocat pinuam longam : a pt enien volues inter ovadrapedes longam "den surque crudem habet , its prices his later geleos esadte planem longifilmem ... Willia-biowadiffine artenudam a pinna: win cords gorden, quarte exortis. Juona parte pongula conforcitor ... aon in Supina, fed prona corporis parte, dum pifes confide-tandem, non solos priess, defermierant autores, Figura bulga pries grons & famini. ovas Deminus Perrants fieri curavit anteferenda: funt figura Salviana. Longitudo pifor over Densinus Perrente diffecuit, erat ofto pedd. cum dimidio, grassituda summi ventris 14 poll. - Corpus proctentim angulius faftum definebatin producta cana do, gone lonestudine religium epipus fere requabat; (non lengier quam infum estonis as vale Da, arredus) (alcifornis, versus ventrem magis inquivelouse; ad exertion cande unica pinna in prona parte: Salvianus hane piunzoi in fapina cerperit barrecollocat, cum Dominus Perraule non nui emmentiam quandam abidem offendit, cum articulatio eft ad facilitandum vereebrarum ufum in candam vegerantium. Duzs habebat pinnas creftas in dorfo (quas cretes, criftas, appellat) siteram magnamin medio, alteram minorem verfus caudam (non in cauda). Prieter Illas tria adhuc pignatiam paria (Salvianus duo faltem paria exhibes) Pesmum par od latera, pone caput, magnitudipolitices, l'attendane vero ad bafin y poll. Justa medium par in ventre circa umbs seum ambril (melins anum) dun apophyles. (menenti prent en rafie), in fignum, quod pl. fon fuerit mas. Tertium pinnarum par interanum & candom (qued in Salviani fenra deficer) minime erat magnitudinis. Pinne durm, in one fuie infecte, de cote quali donticulata tellas, coloris, prout integrmes pileis corases, ex stellas fulti, de cerule-Scentism cani contralicotte (non albi in vantre, Scundam Salvianum). Richas spertura erat y politicam; oculi majores oculis tauri. Novem stanye pionis his pifeis gaudet, grem uno pore privavit Seluianni, ne doam de forma, habitu de fitu pinnarum, e contra Do. Perranie non observavit toramina pone oculos, que indigitavit Salvide mar: forte caret vulpes galous omnino illis, prout Cynocenhafus elaneus.
- f) Omplum l'alicet, quibus foinz non funt impedimento ad intrandum & exeundum,
- Galeus roftvo brevi & obrufo, ore ellyptico. Canis Carchariz frecies. Hayen Willingth app. p. f. Tab. f. n. t. addit autor: "yerum cauda procul dubio non recle pingitur", Communicamus pilicem melius pictum, pronum & fupinum, Tab. Ta. In. 18.
 Li. f. t. 2.

) 2

- 10. Galeur, espite in byperbolam dessente. Cucuri Brasil. Cassan Dalit. es gener Thuronum, Maregranti i sel quod inno-cuu dicturi, ori longe interius lante, a di Galeus foetat. Varia matumi ordinem initimirum deuticulorum habet, varia matumi ordinem initimirum deuticulorum habet, varia deuticulorum control deuticulorum control deuticulorum varia deuticu
- 31. Galeur roltra longo plano, firmo, Offici lijnis validis, comprellis, reflis, ex adverlo fiirs, lerve inilur munico. Proca parezapitis de oro de naribus rajaren di mento. Proca parezapitis de oro de naribus rajaren di mariona de la comprenda de la

Tab.III f. 1,2.

20 Dahles di, serum Pretten pytch sectoraterno, speci melli ell lotte Gales & Roles (Egons, General specy) tendenterne in the form with eart service in assemulation frequency and pretter service in the formation of the pretter service multiple service, service multiple service, service multiple service, service multiple service in sectoral pretter service servi

6. X.

III. CESTRACION. Capite transverso, ore prono, transversali.

Asérga, malleus, malleators qu'i malleo utitur, capite scalicet, du-

OCCULTAS SPIRANTIBUS.

III. CESTRACION.

plicis mallei roftri ad inftar, transverso, qvod absolvitur oculis in utraqve extremnare firis.

- 5. Cafhecian Fruite oruxu figura; cujus aneurior para capitia transverti in linean cuevama centanti nei na scenaciora; ut, dun
 celeriter picies naset, obvios pitees fecure posie creduru.
 Priicis & recentariorbas tido nonimbus; Malie, Ballife &
 Libella vel Zigame notifimus; ore, galeonum more, prono
 & rensuverto, in fegamenan circuli formano, dençitus validiffimis; planis, acuas, lerratis, ad latus vergentibus; &
 truplica nat quadruplici ordine dispositis; armato. The Balance Faish; August. Sayvalus capine latifimo; transverso,
 mallacinisti, chreat. Baccordiler Labasi Pong; de Lamer.
 The Carter of Castro, un des pios voraces positors; des plus
 tores de Castro.

 The Maria Carter of Castro.

 The Castro.

 The
- 2. Coffeeses, copies cordi figura, vol triangulari. Zygene affinis, capanis trianguloi e con Cruyshave, Belgir. Panan Marcyrav. Williagh B. 15 riplies ordine denium minorum. Figura Marcyravi patron valer: Mellorem lispediramus pileis princi d'iupini, in Tale III.5.3-4.

6. XL

- - s) Ifdorni lib. 22, orig. 6, 26. Squatus dicitur. quad fit fiquanis scutis; unde & cjus
 cute lignum politus. & Voff. in Exymel. quad male legatur favolus pro favorum.

8) 2

E. Rhina

IV. RHINA.

Tab 13

- r. Rhina; five Squatina omnium autorum. Savalus piana ani carens, ore in spice capitis, Artedi. Kingftone Anonymi, Descript, of tome curious and uncommon creatures omitted in the Description of three hundred Animals &c. London 1730 p. 473 ibi figura maris. Feeming suping exprong, ex nu-feo olim nostro, figuras vid. in Tab H. f. 5.6, cauda in liperiori parte bipenni; caret femina appendicibus, qvæ in maribus mentulæ funt, prout in rajis. Artedus negat pinnam ani, quam Willugbbejus & reliquiautores piici tribuunt ille : ...inferius pinnarum par circa exitum excremento-"rum fitum obrinens.,; per medium dorfi haber lineam siperam, prout integrum cortum adeo afperum eft, ut illo athera ligna & churna poliantur; Ravif, Lib. 7, c. 41. The Skin of the Back is very rough, fo as to polish wood or Ivory. Anonym. all. loco. Exillo corio Turce & aliz gentes enfrom vaginas conficient, quas fagrinas, von Chagrin, vocant Willieb. p. 20. Ad hominis aliquando magnitudinem pitcis excretcit: Some times Weighing a Houndred and fixey pound. Anonym. ib. conferatur Williaghb. fig. Tab. D. 3, cum poffra . illi anteferenda.
- 2. Rhina pedara quofi; cauda in fuperiori parte tripenni. Mentende do the Strent Amerymi cetait p. 4g. Rhina appendicibus and ortum caudar pedas mencientibus; with finall Feet. The Fin on enchés chouder in Sampa fame ching lide the wings of a Cherubim; the finit of the Back was rough, and of a trentity of the Head Gov. wid. ulteriorem descriptions of the gares paties pront & fupini thid. Autor hune pitient pro viewe funiquorum aguototics; qui anno 1727, mente feprembri caputa & Londani expositus fun; led vereor, ne lucri cauda menulae diflorers & na pedam simulaera, oge fla ferrei cauda menulae diflorers & na pedam simulaera.

AD LATERA PINNATA

(\$\times XII.\)
In qvibusdam funt pinnæ laterales vel bînæ aliæ fub gutture (fecundum Willughbejum) talpæ pedibus fimiles, unde apparet (qvicqvid cavilla-

OCCULTAS SPIRANTIBUS.

"tur Rondeletus) Bellimin non admodum ablirde keripfile. Ranan pilearneem genitos sub veure pedes hibere ad rans palultis finilisadorem, menubrasi interested proposas de la palultis finilisadorem, manta finilisadorem proposas de la palultis finilisadorem, manta finilisadorem proposas de la palultis finilisadorem proposas de la palul

- I. BATRACHUS, corpore quest pedato. Ex graco βάτεραχες, Rana; sic ranunculum plantam graci barrachion vocane. Plin. XXV. opp. CIX. batrachies, genmas colorem rane referens. Id. XXXVIII. cap. LVI. βαξεαχεε λήδες, busonista j busonistas j busonistas.
 - Rayachus, capite riclique rane, corpore & figura gyrino fimilis; jub into gutture fibi mutuo vicing bing pinng, talpe pedibus limillima, fingula qvinis radiis feu digitis conflo tes; Williaghb. p. 86. quas pinnas tamen Tub. E. 1. non exhiber. A little below the Disphragm, on its upper Part, are two large Fins in the Shape of a Hand, and divided into five Fingers; Anonym cit. p. 50. & p. 51. He has two little Feet coming out of his Belly, like the Feet of a Goole. Ultimus fuit quatuor pedes longus, with a Mouth large enough to take in a middle filz'd Dog, it opening twelve Inches wide, Gargagos gracis. Pifcis rospus, Iftris; rospus enim infis bufo. Born. Tourings; Zatto, Lombardes; G. Entius abud Charleson: Rana pilcatrix Salviam, & shorum. The Todfish, or Frogfish, or Sea-Divel, Angles. Subalcero pinnarum pare, in ipla pileis margine firo, ingentia foramina, in quorum fundo tres branchiae, nullis sriftis donsta. Lophius s) ore cirrofo b) figura corporis monfirofa : Artelli Achth. P. III.
 - a) Aofhie pant, connectia, qu'a un'ope enhantes, jimillorishte, lorintine, aerel, etin pont sins stréje de urt prégione pagen audit, Aófhie vet Aofhie aucen protes pro minimeté des l'illiantes, a viperciantines aeres, et a l'activation de la complexité de l'activation de la complexité de la

T RATRACEUS.

16

T. III,

- Seturzum antiper p. 84. Runa pléatrix tocka fub atenis exponens in longinquum; quas toftro tenus habets appendiculas, allectos ad has quali ad vermiculos, & aggreflos poles in oris ingloviem capit.
- T. III. 2. Batrachus, altero pinnarum pare ad exortum caudecarens; processushine inde capillaceos habet; cujus icon Tab. III. f. 3.
 - Batrachut; five rana pilicatrix americana cornuta fpinoja, Sehe
 Thef. I. p. 113 Tab. LNXIV. fig. 4-cumpula f. 7; color cutis, tenuiter (grannata, albus faturare rubris maculis pichus)
 cauda ventilabri inflat expanla, prout pedes.
 - 4. Batrachus in fronte corniculum ferense furtium ereclum a poulor recrotium vertium; amer llud reune filum, yord erro recrotium protein in quoi man poulo poulor poulor poulor poulor poulor poulor poulor poulor de la vertium alpero dicabro. Guspenha poulor poulor de la chum alpero dicabro. Guspenha poulor pou
 - e) De Guaperule, excurrere & Acaraunarum dufférentus alibi apennue.
 - Batracbus, offeum cornu fupra nafum gerens, inter binas pinnulas
 prominens; eure ableiunte & refiliendente; prope oculos
 inaccio Hyseinshom fellatum refierens; rufis inaccio fiammeis per rotum corpus, rigiris per pinnas. Rana pilcatrix
 americana alla, Seba Th. I.P. 143, Tab. LXXIV. fig. 2.
 - Batrachus capite produlto; postici pedes acutos habent ungues, membranis nexos; cutem ex candido relucente nigris maculis undulatis, Seba Th. I. p. 119. Tab. LXXIV. f. d.
 - Batrachus mollis, belle ex albo fufeis maculis marmoratus, ore parvo, anili, procefibus villofis, aculeiformibus; mufei olim noftri. Tab. III. f. 4.
 - 8. Barseku, espitesumeririnfarerunte. Gueucui Brail. Maregr. Monocorea pities, o vi velpercilo gratica dei: poort Willeghb, p. 69. Tab. E. 2, f. 2, Lophius (zv. dei: poort Willeghb, p. 69. Tab. E. 2, f. 2, Lophius (zv. dei: poort pinnam faltigiarur in conum. Cutis multis uberculis duris afbera. In utroque latere parvum Gramen in corpus.

I. BATRACHUS.

 Batrachus, capite fento offeo antrorfum in acutum convergente. Cutis undiquaque acutis horrer finnis. Rana pifeaerix americana marina ex Curaffoa, Seba Th. I. p. 118. Tab. LXXIV. 4. 2.

6 XIII

Constituit Clariff, Petrus Artedus Piscium genus XXXIX, sub titulo: Offracion, corum lefficet , qui figura corporis infolente funt; cute dura fe-"pe ipiais feu aculeis magnis vel in toto corpore, vel in aliqua eius parce "armata; interdum vero glabra,; fub qvo genere comprehendir pilites quadrangulos, triangulos, iphericos, & qui plures ad orbes communiter referentur. Origo hujus nominis a teffaceis animalibus derivatur. Sic Plimins H. N. XXXII. 10: "novenio apud quosdam Offracium vocari, quod a alii Onychen vocant , at onyx, inqvit Diofeorides in mana ne noyyulis, i. c. operculum conchylis, pro quo eciam offracium fumi a Plinio declarant ipfiusmet verba; vid. Rondelet. de Teftac. Lib. II. p. 84. Gesnerus & Aldronandus ostracionis nomen ulurparunt, & tribus imposuerunt piscibus. unde: Offracion Nili audit Bellons Holofteum (i. e. offeum) - offracion Aldrevandi prior, an idem cum Holofleo? - & offracion alter gibbofis. emsdem. Holofleum Gesnerus offracionem nominandum conjicit, gvod & teffam offracei inflar duram habet . & oceanian piteis inter Niloos a Strahone numeratur, cum camen apud Strabonem legatur seasius. Aldrovandus nariter dieit, Holofteum Bellonii reflaceum & offraceum Corium habere: & Willuebbejus de offracione priori Aldrovandt: quod integatur crufta quadam minus dura, quam in crustraceis, dictis exfanguibus; addit tamen: quam , diximus cruftam, proprie loquendo nee curis eft, nee crufte fed medium quiddam inter utrumqve, ten erufta cuti innata,, Qvis ex modo dichis non comprehendit, nomen Oftracion minus diffinctas ideas de dura cute, de teflaceo & oftraceo corio, de quodam intermedio, & crufta cuti innata poft fe relingyere? Nihil commune iftiusmodi pifces vel cum oftracodermaris aut cochlearum operculis, vol cum animalium cruftaceorum integumentis habent; neque enimentias, ex gr. galeorum, quali variolaras, vel fagrinam corii Sqvatina, qvorum cures variis manubriis valisqve luperinduci fo-lent, dixeris crustam curi innaram. Medium qvod qvarit Williaghbeius inter cutem & cruftsm non oft, nifi curis fue nature ad pergamentum, five corium przparatum, accedens, in aqvis & qvamdiu pilcis vitam agit, lzvibus lafionibus indulgens, qvorundam pilcium, fi ficcati funt, frangi patiens; mutant enim naturam fuam aeri vel foli exposita piscium quadrangulorum, triangulorum, orbium fimiliumve integumenta five exuvise; quedam fucceffu comporis vix digitis tractari possuint, qvin concidant, vel frangantur. Sunt aurem ejusmodi pifces figura corporis (infolente, fecundum

Artedum) vel globosa seu spharica, vel subrounda, vel ovata seu oblongo-rotunda, vel oblongo-quadrangulata, vel conica fere; cute arida; fæne fininis feu sculeis craffis & longis, quandoque renuibus & brevibus vel in toto corpore, vel in aliqua ejus parte armati, interdum glabri; non tamen omnes os exiguum, neque omnes dentes magnos habent; uti perfuafus fuiffe videtue Artedus P. III. p. 55. Breviter: corpore avocumque modo frumoso, tumido vel suffiato, cute coriacea, sapine shella es oridula. vel glabra vel aculeara. Hinc eft, quod nobis in mentem venerit, pro talibus pricibus, verbificatione rei natura magis accommodata, confiruere, genus: Crayracion, a noquedo . Struma laboro : itema noquese, aridus. Sir itaque ad latera pinnata (piraculo unico.

6 XIV

- II. CRAYRACION. Corpore strumoso.
 - 1. Cravracion levissimus.
 - w. Exterreo rufefcens; in medio corpore a capite ad caudam punchis fuscis diffinctus; cauda gracilescente; dentibus, in ore parvo, minutis, acutifilmis; cujus cutis nullatenus dura, coriacca tamen eft a), hujus figuram videlis Tab. III. f.5.

Tab Dr

- 2. Orbis lavis Catesbeis II. p. 22 : ingents frums laborans.
- 2) Omnium pilčiam, gvi communiter dicuntur Orfer, cutis vel corium na comparata font. pe, gyamdia in agrie vivunt, vel in liquido confervantor, ad lubitum inflati pollint, surfusque contraina
- 2. Crayracion toto ventre sphericus, & parvulis aculeis donatus; qvatuor dentibus latis instructus, cauda producta. Orbis primus Willingbb. p. 143. Tab L. I. Orchis vel orbis Plinii; gallus marinus nonnullis. Offracion iphæricus retraodon. aculeis undique exiguis, Artedi.
- 2. Crayracion dorfo lavi, ventre ad usque pinnas laterales aculeato, Grevit : Willighb. p. 144. Tab. I. 2. Lagocephalus dictus. Habemus aliam iconem ore agvilino. & prater caudem gvinta pinna, vel crifta pinnata in capite, pone oculos. Offraeion catheroplateo-oblongus, ventre cantum aculearo & jubrotundo, Artedi.

II CRAYBACION.

- 4. Crayracion maculosus, aculeis undique densis, exiguis, duabus minnis in dorlo. Orbis afper maculofus Lift, an. Willuobh. p 155. Offracion maculofus, aculeis undique denfis exiguis
- 5. Crayracion ovatus & muricatus, richu latiffimo, polyodon. An alrera Arringa minor orbicularis Calceolarit, Williaghheit Tab. I. 2. f. 17 prbis muricarus primus, Chufu exor, Mufei olim noffri.
- 6. Crawracian apatus & muricatus, ore parvo cuius inferior mandibula superiorem excedir; in capite tres murices cristam efformanetransverialem. Orbis muricatus alter Clufts, Eine figdo lichte Meertaube Besleri, Mulki olim noftri.
- 7. Crayracian feutatus; offe forms feuti, fferni vice, præditus i capite magis exferto religyorum capitibus, oris feiffura longiore; polyodon. Orbistcutatus Rondel, pilcis rarus, non edulis. Willugbb. p. 144.
- 8. Crayracion levis, oblongus, corpore teffellato. Orbis oblongus te-fludinis capite, Clufii Exor. Willinghb. p. 147. an., orbis levis, oblongus, cinereis & fuicis maculis notatus, Sloani H. Jamaic. II. 279. Tab. 247? Offracion Oblongus glaber, capite longo, corpore figures variis ornatus. Artedi.
- o. Crayracion oblongus, spinosus; spinis in capite longistimis; dorso arcunto; oculis & ore magnis; labiis craffis; pinnislatis; rufi coloris; vid. Tab. III. f. 6.
- 10. Crayracion, ore difformi, labro inferioritriangulo, veluri refectos fpinis curtis, acutis, in capite, in dorio & ventre raris; _f.7.
- FI. Crawacion, ore rang riclu; pinna inaqualis cervice ad candom decurrence; ad latera tuberculofus. Orbis rangrichu Clufii. Offracion rotundo - oblongus, tuberculis utringve, pinna dorfi longiffima, Artedt.
- 12. Crayracion oblongus, supra & infra utramque pinnam postbranchialem & ad caudam macula nigerrima; toto corpore ipinotius, demto infimo ventre, molli, ranz inffar. Orbis

 Crayracion oblonga-roundus; ote bidentulo; supercistis depressis & levibus, Willugbbejt; Historic Clusii affinis, qvod inpetertia elata non luur, nec caput compressium & extertum, p. 15th. Tab. 3.5.

Crayracion, capite contradio; fpinis longiffimis. Hiltix alter, capite againto, fabrocando, & admodum fpinolo; Wilhalb, p. 155. 7da F. 6. Oltrecton oblougus holocardnes; acultis longiffimis ceretiformibus, in capite inprimis & collos Artedi.

 Grayracion oblongo rotundus, aculeorum acie obtufa, punctis reticularis in dorfo; cauda pinnisqve varits. Orbis muricarus & reticularus, Willught, p. 175. Othesion lubrorundus, aculeis undique brevibus, triquetris, varit; Artedi.

 Crayracion triangularis, gibbofus. Oftracion alter gibbofus, Aldren. Williaghb. p. 156. Tab. J. o. f. r. Oftracion oblongus, quadrangulus, gibbofus, Artedi; oft triangularis; habuimus pifem.

Graynatist triangularis, in limbo cauda duplicite fituolis, ildusis, giarristexangularius, radiambus, infiginius. Guanniscu apa alere, cornubus carens, Marcar Piticis trianqualiaris, Colfin. Orlacion triungularus, limbos figuranto consideration and consideration of the continuation of the control of the con

b) Sanus duo semilunati in honor duplicuer acutam reddunt, & nec cornua nec aculer dici possuut, que arredus pro apophysous officm agnoscit, si sint in capicious pictum (de pars, p/s, p, 2+,) &, cysdousint apophyses, si in lumbo ventrus ?

IL CRAYRACION.

 Crespracion triangularis, duobus consubus curtis in fronte, venris himbo ex tocidem finubus anguloto. Pifeis triangularis cornatus, Cluffi Willinghb. Tab. 5. rs. Oliracion triangulatus, duobus aculeis in fronte, & tocidem in ventre, Artedi. Old Husband Fish. et al. msc Carvancoins num 23.

20. Crayraevan rriangularii 3 capite cornuto ş limbo ventris finuoio ş erectio aculteo in medio caudar. Pifeis triangularii II. Jiflert in app, ad Willighb, p 15, Tab. 7, 55. Offraction triangularus, aculeis duobus in capite & unico longtore fuperne ad caudam. Arted.

Craynetin triangularis, totta matubilis, fanthus in ventre. Piters mediocris, triangularis, ad imum ventrem prope cutters and triangularis. A life, in properties triangularis. Life, in Prilingularis as particularis. Life, in Communication of the C

22. Grain grans, excerniss levibus proceffibus in ventre, cancle are countilled a cupus integrum corpus figuris hexegous cum fundibus inferiptionibus radiantibus pictum. Williams Tab. 7. 6.

23. Grayación trianguidatus, copice & ore productis, cormulus carens, fumbo ventris interpro. Pulsas transgularias, ex conocernibus correas, Lfft, app. Willieghb. p. 2a. Tah. J. J. G. Oltra-ción trianguilaus, taherendio eziquis intumeris, acelés carens productiones de productiones de la companya del companya del companya de la companya del companya del companya de la companya del companya

24. Crayration parvus, corpore & capite triangulatis, ore parvo, innumeris exiguis stellis pictus, canda quadripertita, qvinqvefarie plumota; oculis magnis. Tab. III. f. g. 7. III.

Creyration quadrangularis, innumeris fiellulis ex albo carulefentibus fuper terreo infignitus; cauda varia; mufei olum nofitt. Tab. l. f. 8.
 Cs.

C) 3

26.

II. CRAYRACION

- 26. Grayrecongustringularis, pone & ante procedibus duobus longis tor un finitibus of pelluculis empteus. Patientus communication for the pelluculis empteus leu liang Seeang F. Bouris if app. Writigeth, p. 176. Tab. 97, p. 76. Michi olim north in blue pinnam in dornis prope caudem, que ervita capur esplicis, o recondi poeti, pram Bourius in ventre nofut.
- Crayracion quadrangularis, & productus, Ofiracion Nili Gesneris
 Holofleou Bellonii; Ofiracion prior Alârovandi. Ofiracion
 oblongo-quadrangulus, tuberculis quatuor majoribus in dorfo. Areadi o.).
 - 2) Nicht ein dem conflux i Sedmi-figura maille eil: eil vifus jetika al panagonumaredeur: indi kadiarie ubereita aberia chierarea. All alterarea foste un quante in pile, quem males anom formam inar menter referent. Empograt altera, commo formania, laborarea propriata participata del altera, commo formania, laborarea per participata del presenta del altera, sono Olincino. Convert de Holotheratularia viela diference, veri giguratum accessora.
- 28. Crayracion quadrangularis, ad cervicum quator tubecculis, que in offracione priori Aldrocandi non invenio, neqve pinnam alteram ad caudam, dorlali oppolito ningini quadrangulari priori Aldrocandi Willaghi. Tab. 3. 10, cui tanen p. 143. filitim pieces offracionis videtur, vel portius varente.
- 29. Graynarian rofitro os in prona parse (inperanse, fledistas et stificilitates. Offrecion territos £1,4 np. Williagh E-176. Roftrum five nafús admodum producius in questadam mucronem ibid. Ideas vidente Artefo tem picice majasculo quadrangalint. Offracion oblongo quadrangalint, rofitro souro, maculis in dorio és capite. Artefo. Williaghb. Ath. St. 11.
- BO. Grayracion, in fingulis mediis flyamis fingulæ mæduæ mejuscutæs, pittis mediocris qvadrangularis, medultus, Lift. app. Willighb. p. 22. Melius: Oftracion qvadrangulis maculis variis plurimis, Artedi. Sqvamis enim carene Crayraciones vel Oftraciones, corporasye habeut plerumque erfiellata d.)
- d) Teffelix nobis decentur, ob figuras superficiences descriptas, que, quod denticulis mutuo colucrent, in causa fants, quod siccatorum pristami exterire facilitas reformatur, vel stangantur, prima scutascorum quorandam togenus.

H. CRAVRACION.

OCCULTAS SPIRANTIBUS.

- e) Qvid dochiffimus autor per quatuor foramina an capite intelligat, me omnino latet,
- 22. Crayracion, corpore circumflexo, fi ficcatus, & quali incifo; angulofits, cute coriacea, tenaci, capite eqvino quadantenus fimili, roffro tubulofo, in exity operculo infructo. Hippocampus autorum. Willugbbeius & Rondeletius ipfi branchias five teclas five derectas denegant, licer tupra pintulas duo foramına concedant. Segyimur Bellomum & autopliam; ille: "Branchias ad latera habet, (fed occultas, gvæ agvam af-" fumpram per foraminula fupra pinnulas dimittunt) pinnam , in tergore elatiusculant, alceram in latere utrinove ad bran-"chias exterit, aliam gyogye modicam inpra cervicem; jubam habet obtufis ipiculis, ; que caneum in viventibus & natantibus apparet, quemadmodum & tenues pili in reliquo corpore; fub ventre rimulis duabus inflructus; ex ungalvi excrementa, ex altera ova foras emittuntur. Syngnathus corpore quadrangulo, pinna cauda carens, Ariedi; qui opercula branchiarum infitribuit, que non haber, neque corpus admodum gracile, fed ventricofum, licet, fi pifeis tiecatus eft, ad latera compressum, ita tameu ut nihilominus lit gyadrangulatum.
 - a. Hippocampus fimplicibus cofiis, Williaght. Tab. J. 25 f. 3-45.
 - firi. Tab. I. f. 9.

 7. Hippocampus coffis in capite & dorfo fpinofis. Tab. I. f. 10.

6. XV.

Pilees corpore firumolo cum fpiraculo laterali unico haud incongrue fequuntur pilees ad latera pinnara unico fpiraculó qui carpore lun compresso d' lato ; Muresque in hittoria audiunt. De quibus Alhanus: "Ma-

"rini mures, eth non magno fint corpore, inexpugnabili tamen (epti fint "robore, aque muniti, qruppe qvi ad oppugnandum duplici confidunt ar-"nacures, "pradure minimum pelli, denitum robori; tum valentibus "enim piicibus & respitcaroriz peririfilmishomiumbaspugnant, & Oppianus:

Est quoque præ reliquis sævum muris genus, auder Bella inferre viris gens tantala, tergore duro Fidens, & densis armato dentibus ore.

Branchias habent utrinque quaternas modicula feiflura pervias; in dorfo plerumque ressauleos membrana junchos; cuto muda, adeo tamen alpera, ut ad eum ingumus desbora poliri pofilme. Vocancue & Capri & capri; a retunenus cum Arreito in append. ad Part. IV. Jehrbyol. p. 114. prifeum generis nome. Caprifux.

a) Diverticaren hater andrepas R. Austrafferen volt, anal Amediat, R. Aufterwanden de 19/6, 18/1.1/2, ex. 18/2, and 18/2 feet required togetife dever modificate de validificate tribuits, epidem (epicyt) Mari per segre, fact adriet address, expressione de validificate tribuits, epidem (epicyt) Mari per segre, fact adriet address, expressione de validificate tribuits, epidem (epicyt) Mari per segre, fact adriet address, expressione de validate d

6. XVI.

AD LATERA PINNATA

III. CAPRISCUS. Corpore compresso.

- Caprifins, tribus aculeis robuflis in medio fere dorfo, conjunctis, recurvis, qvi deprimi poffunt; in ventre validus qvartus, aduncus. Capricus, Sabrani. Willughb.p. 152. Tab. J. 19. Rondeleis & alorum.
- Caprifeus, cauda forcipata, pinnis maculolis; in medio ventre
 pinna parya, ante eam aculeus fesqui digitum longus. Guaperua, peixe porco, Maregrav. Willugbb. p. 154. Tab. J.

HI. CAPRISCUS.

 Caprifeus, ad caudem foreipatam firiatus; dentibus aqvaliter pracifis, veluti humanis inciforiis. Guaperus V. app. Willugbb. Tab. J. 24.

 Caprifeit , extrema cauda & pinna dorfali in tenuiffima & longlifima fila productis ; duabus latiusculis falciis rubris , ad maxillas transveriis ; Lufteri Guaperna IV. app. Willingbb. Guaperna maxima caudan i Tab. 7. 22.

 Caprifius, cornutus fupra oculum; tres pollices acauda qvinqve aculeis coloris varii, infructus; infigui hirfutic ad caudam. Guaperua hiftrix VI. app. Williaghb. Tab. A. 21.

6 Caprifeu, murium dentibus minutis, duobus aculeis in cervice, altero brevi, tertio ex oppolito, in ventre; lareritii coloris; pinnis ad rabili caudam & in ipfa pinna cauda radiis difinctis. Tab. III. f. 9. f. a.

 Caprifest futeus, ad oculos & a medio corpore ad pinnam inferiorem prope candam lineis laris albieantibus variegasus; in medio dorio aculeus recurvus membrane alligarus; pone hune quatuor ipune minutes; in ventro pinna parvaradiis acutis. Tab. III. 7: 1.

Caprifeus capiterriangulo, gutturofo, ore admodum parvo, barbano, unico parvo aculeo recurvo, inapicedivilo fupra oculos, exiguus feus pinnarum loco ad caudam; cauda ipfa obliqve relecta. Tab. III. f. 11.

 Caprifeus longus, binis aculeis dorfalibus, priori ferrz in modum exalperato; Guaperua II. longa, cauda fere quadrata & midnume forciputa, capitus vertice latiusculo; app. Willinghb.

10. Copy/fixt longus; mandhola inferior inperiore longior; hexacolonic ctuis ad informa ventron liber; pucha chien peis ferpentinis, coloris cyanel; veria; singrap pucha chiente, pone coulum longum aculeum ferens, qwer ad usque pinnam dorialem recondere poreft. Unicornis picia Bahamendis y the Baham Unicornish, Cateboji II. p. 59.

11. Caprifitur, robro iride, aculo flexuofis lineis exculeis endiato; in relegio capite tribus findisis. In derio tres caucilei membran se conjunctis, opposito unico in usoni membran prena arifitis finditums; interperori pinna caudaque luntar utrivitus in fila longa producitis; pinnas de cauda eyancis. Turbus cordo.

oculo radiato; Guaperus maxima caudata Willingbieji Tab. J. 32. Caterby H. p. 22. Non eft idem com Willingbbeji. Guaperus V. fupra n. 3, fed ab illo divertus & colore & oculo & acules.

6. XVII.

Conger, Augustla Pripringer warnus parumabinviem different. Sunt omness aliaere pinnati é unico branchiarun lipiracule donan 19, inuo de forma externa affinitarem colunt; placuit iraqve Conus: Congri b), piticham minimum, qvi imu corpore terreit, étuncio gaudene lipiraculo branchiarum ad pinnes laterales. Marsena merito peculiare confliuti genus, qvod effentish onca, pinnis aintairum lateralibus, caret c).

- a) See enterfair à tobre, P. P. P., de C. Opproach branchesses exque figures ne pres un'extende parties, fet tracte un alphane prévaire du actentre fait, little author appear, prévaire au variet qu'entre mais variet qu'entre authorité un terre des la tracte de la régistre de l'action de la régistre de l'action de la régistre de la
- D. Congri Intinon, "physics gracum norm space flexures grant due obners, fed interpolation monollis, Gillen and Correct No Willights," orga, vers. undersomen progres fix per reshiptionsessom progress, solveyers, solve fix phylics spad abbesans findinghomen congris man injustications, "interior corn can our occupartia forcas, ten fix colores under city quid consultà suguidian resonom nuterport fixel tenne shi has tentrolicar; colore com shire longe of negalian planers, fixel tenne shi has tentrolicar; colore com shire longe of negalian planers, and the semination of the controller in the controller of the controlle
- e) Blin Lib, IX. cap. XX. pungsum groupe funt distrimina binse ognino, longie & labricis, ux dopuitle & Congres; multie; ut murane.

S. XVIII.

IV. CONGER. Corpore tereti.

 Conger, pinna membranacea, in fummitate nigra, totum dorfum ad caudam usqve decurrente; tubulis brevibus in extremo roftro; omnium Autorum; Willingbb. p. 111. Tab. G. 6. & 6. IV. CONGER.

Salviani. Murana fupremo margine pinnæ dorfalis nigro,

- a. Conger, pinua dorfi paulo infra branchiarum pinuas inchanat, in medio di fore, um ominue digito de caudam humillori, an medio ultiore, prous ab ano al extreunar caudanteretem excurrence, Serpens marinus Randeles, Rellos, Andurari Sense Serpens, Anglit. Williaghi, p. 197, Tah. G. 4. Murkma exalte erecs, cauda caus paeceyesis, Arredi.
- 3. Canger, pinna dorft in ima parte nigricante, ventrali prope apiceun penitus alba, cauda compreffa. Serpens marinus alter, cauda compreffa, Willugbb. p. 108. Murxna roftor acuto, Hruris albidis vario, marguie pinna dorfalis nigro. Arcedi,
- 4 Congert, wentre maculofo, pinnis fibidly, caudam extremam une laphone de la congert de la constantia del c
- Conger, Oculis nigris, iride alba, pinnis ad extrenam caudam decurrentibus, doribit & ventrali); dorio ex fuico luteo, venre albicame. Anguila Januscenis, The fresh Waser Ed of Janusco, Moone Hylf, Janusco, II. p. 273. Mucu Marrgr. Willughb. p. 106, Tab. G. 7, f. 2.
- 6. Conger, dorio fuico, yanne diverficolore, ubulia beveifinia in exercimiente mandibale fuperioris. Angulia unaima Auroram. Mursuna, nazilla inferiore longiore. Avred. Inejus Inkivityologian Farv. V. p. dos. A. exercis. yanuoris iuvannin pelfe, qivol pofferora furunini longa avoitro remonas, moximiente productiva in productiva in productiva magnitudinen exercicure vid. First. Yvant. Ang. IV. A. III. 82. p. De Gewa Generations in M. de Paga. Leuwenhock omnes temellas judicas. Trans. Angl. Iv. A. III. p. 345. Seyamiti exerce deierto magnitudio commissi conditional habor transe attilitimas flyumas in cute Osbervatas a Leurenbeeckia Pept. 2-p. 27. gond. Anglika.

& XIX.

Superfunt piscium duo genera, qvi punis ad spiracula lateralia & ventralibus carent, Murena nimirum & Lampetra s. Petromyzon. Illa unico gaudet spiraculo, hæs septem (§. IV.) Ambæ congrue Congros seqvumur.

§. XX.

AD LATERA APENNIA

MURENA: Pilcis angullaciormis, pinnis batteshibhas centre. Widbelief describes, que jentimans, quod marena don babest
foramina corunda ad branchisa, aque omiscenda; seche
Roudelatius & Alfresamale, 116, 118, 2,35, quod uniciorm murezur in utroque lacere foramen fit branchisarum & orificiem
parvum, estamis muor orundans, tello lanacom. Branchiss haud
reche Pinnas 126, 126, cop. 222, cumque lecentes Gillius muregarum, cum quetermas Germiglees labene Artifiserpendicutes a lisperioris mandibule extremo pro narbus habestuar. Quod marcha carcut, prou & Lamperez, pionis
ventralitus & lateralbus, multum (præter celiqua) disfirmas
a Cogers a).

a) Vid. S. XVII. not. b.

- Murana omniumautorum; μόραπα b) Σμόραπα. Italis mourene; Willingbb. p. 103. Tab. G. 1. Murana, pinnis pectoralibus (adde celateralibus) carens, Artedi.
- b) mapel nó peipasy vel própésat Eufhachio, id ell fluore, quod, ut Merrebius feribit, pra pagoudine in funtas agra fludent, & (ut Megferene adds) presente nonpolítics, lob printique torrefolie, u ut se poete.

Que natat in ficulo grandis mureno profundo, Non valet exufiam mergere fole cutem.

- 2. Murena roftro acuto, longo: corpore nigricante; a cervice puncha aliquot aspresanotata; nonnullis: Murena mas. Myrus Rondelessi, Gen. Aldrov. Willaghb. p. 100.
- Murena pinnis & maculis fubfufeis, hominis longitudinem implens.
 Conger indicus maculolus, Kommer Eel, Belgis. Lift. app.
 Willughb. p. 24. Tab. G. io. an eadem cum feqvent?

OCCULTAS SPIRANTIBUS.

- 4 Murena maculata, nigra & viridis; tubulis in superiori mandibula extrema longis. The muray Catesbeji II. p. 20; cauda extrema compressa.
- Murena maculata nigra fuper cinereo. The blak Muray; Anguille de mer, noire tachetée, Catesbejt H. p. 21.

6. XXI.

Lembtre nomen apud neminem prikorum resperiri, verum eqvidem ell; Lamprede tamen nomen pleisaye Barope lingvis ulicarum. Ambo nomina Arteduz male notes elle, protuneiaviri; ideo novum compoliut, perrompzan, quod, vivocis, lapidas figness fignaficas; cum lamprera a lambendo perras derivatur (§ 19. lin. (b.)). Sunt autem lamperta plices tubercette, branchis coculist, qu'ibre spiracturi pleme and latarea, pinnale retuits, finale di compositione se in pare proma elippico el retuits, finale di compositione se in pare proma elippico el retuits, finale di compositione de la compositi

(4) £ +, az. Nervi olfsétoris duo, usranque tentillum craffières picti, ut dignofei queent.

b. Tubulus vel doften hydragogus.

s. Cratium carislaginolium, quali clypeo tartilagineo, ad pattem mobils, teftum.

6. XXII.

AD LATERA APENNIA

PETROMYZON; pilcis anguillaformis.

Patronyzon, unico ordine denneulorum minimorum in limbo oris, prater inferiores majores, Artedis duabus pinus cutancis, de fluatis, doctalibus, altera polt medium dorfi brevi, altera (D) 3

Tab. f.

PETROMYZON.

erei nonga; triangularibus; teriis extrenum cudam ambience aleri condigus. Cappore vivide arganues, odi lucra transverlibius & magis iplendentibus lineis vel maecula cuivis; cuius exclum fipurum voli. m. Tab. 1. f.; Lampera parva & flaviraitis Gens. Rondel. Willughb, p. 104. Tab. (J. f.). Auftele flaviraitis muros, Bellumi. A Lamperand Prudeof the ilis, Plots. Neunuugun; noffrases qvindecim politices khinalendes Eppius adequarus; conferente Clariftius Frifiburs, Mifeli. Berd. Tom. VI. Non. XIX. p. 118, de Lamtibus hulus villeculis, vuigo coultas; ubb de ore & dentibus hulus villeculis, vuigo coultas; ubb de ore & dentibus hulus villeculis, vuigo coultas; ubb de ore & den-

- Petromyzon; lampetra medium genus; germanis & belgis: Prick, Ieu Brick, Williaghb. p. 106. Tab. G. 3. f. 7., transverlalibus & nigricantibus lineis.
- Petronyzon maculoise, ordinibus dentium circiter viginti, "pertedi, Lamperta mendole de bicubicilis Sorbani, Lamperta mulgor, "pertemania", pertemania pertemania a Lampergo or Lamperg Rel, Williagholis (Lampergo, 1988), p. 2018. Curis nigirense, pellidis de angulois maculis; ablicante macula in vertice, cui contiguum efformanem parvum.
- 4. Persanyzan corpore annulofo, appendacibus utrinqve duolus in margine oris, Arteal. Edentulus elf, lamperra cecae, feu oculis carens, elt bimbet Runnugan, Enneophrhalmus cecus, Wilhighth, p. 197. Tabh G.3.7.1. an omnino oculis careat forte ex folo prejudicio, quod diu Talpas oculis privavies dixermu tune, non elle piteen.

S. XXIII.

Hie usere pifics quorum, dum proni incent, Spiraculalaterali free quinge, the aname, two figure mos cuither liab appetum veniumt. Modo de platibus ir nacionis cui mos cui ma cui partin di partin con incenti per la composita que a composit

nies. Omnibus es & nares in prone capitis parse. Placuit Do Hifino desedo lib unico genere, Raja felicies, comprehendere comes, quod qrisedo me la messa propolamas; ani una la Teperlina e Raisabani inter 8, 6 ambo ab Aquiti e Capitanesi; ali vero unitus a Rajis multum discrunt; Rajisan autem prima prima delectran griecon, genera per que auriptafan rais festa. Es de la politacia e reliquis diffinirectura, consistente del primi barrina, de des applinates as reliquis diffinirectura, consistente del con

infa tufficientibus characteribus prices, prout omnia animalia, funt diffin-

Ai as mirum videatur, nimis anxie iollicitum effe, de rebus, qvz non

mil arrentionem & fedulam nature operam pratiandam renvirunt.

OCCULTAS SPIRANTIBUS.

a, Rajus voce cartilaginii uttori firificore acceptione, coaque cantum piles pro certifaginesi habita, qui uttra fe orum giande centelpiunt, quod si uteco fevent, adecopre virom annual partunt; [90. 19], p. 13], [a]fectia natai fiamer fais E manubii diffritante sifelamo i in Critacca, continainane E filimetes.

BRANCHIIS ET SPIRACULIS

A. Cauda levi.

1. NARCACION; a Napu; Torpedinem concilians; propter picis
hujus hidoriam; dvi duporem inducere dicitur manui &
brachio tangentis a). Caudam habet lavem & pinnatam.

IN THORACE.

- a) Browninst antiper: p. 46. n Torpedo fluon preferences repelholends faroltstem, planem nollium commuse tentat, fiel longunquum fielum per aqvam veneno fuo tinelam a topolekti, & aggredictorn. Si field repress autorem; reliquas vietutes virulentas virtus.

 Antificial Virillaghi. Randatrimum de plutes autorem.
- Narcacions, demus cauda finuofe circularis. Torgodo omnium autorums, primus Romidetri bi; in fupina parte quinque meculis albis nigrisque circulis: c), in penegonum dilpofitis. Batte potco Genuens; Ochiarella, Romanis; the Craufish, Augist. Raja tora lavis Artesi.
- b) Randelrina teflatü", Q'allori ques seconies, Tospecition corparis firrie non differtes fed maculis faltem i fic delutionis, quam delit, figura pro genuina de anella habert neques apod Agadelrina coins margo corporas non est escultaria, et dinaole la pinnam continuam delimit.

II)

A. Cauda lavi.

32

- Secundum Sofe James in architu primo annulus niger, deinde albicans, in medio enfus niger. Supra exitume excrementorem tamilio joscob, dum excrumentor pinnas, media cuoda dum alto fibi vicino, cauda leve in exitu pinnasa.
- 2. Narcacion: maculis funplicibus, nigris. Torpedo fecundus Ron-
- 3. Narcacion, totus inordinate maculofus vel guttatus. Torpedo terrius Randel.
- 4. Narcacion, totus colore rubricæ fabrilis a cateris differt. Torpedo quartus Rondelee. Gesneri.

6. XXV.

- B. RHINOBATUS; a pro- 5-X-X-V.

 Squaino-raja. Modia eft inter fquaina (\$ x1) & faire f raja (\$ xXII.)

 squaino-raja. Modia eft inter fquainan & raja inti, a quot socire extragilar, a crediture or Squaina de raja oria; quot socire extragilar, a crediture original de raja oria; quot socire extragilar, a crediture de raja de ra
 - Rbinobatus f. Iqvatino-raja Fabir Columne & omnium autorum Cetola Neapolit. Willingbb. p. 19. Tab. D. 7. f. t. Raja obionga. unico tantum aculeorum ordine in medio dorfi, Artedi.
 - Rhinobatus transparens, cum luci obvertitur; capite coni figura; reliqvo corpore & pinnis Rhinobato Into fimilis. Puraqve, Acara pinima, pira pixanga, Maregravii. Torpedoamoricana, pcixe viola, Luftan. Willughb. p. 8a. Tab.D.5.f. 2.

6 XXVL

III. LEOBATUS, a Mase vel Ausbeg leavide Gaives, robust, spull caude to be vei fimilis. Rondeleta Leichstus raja leavis ell. Hoe nomino infigurmus omnes pilees, quotum corpus rajarumi modam artenustum en, cuda leiv, hoen afpera fairus; licet quandoque unico vel duobus proceifibus vel radiis officis pradia. vid.5.1co.

OCCULTAS SPIRANTIBUS.

A. Canda lavi.

III. LEIOBATUS.

- Leiobanu circinatus, duobus procefibus offeis hamatis in media zuda vandu pede longa. In lupra cooparia pare ferrie coloris, in medio tuberculus nigris parvis, Innerius corpus coum ablum. Aiereab berdi, Iraji piecus Marsgrao. Aiereba, patlinacz species circinata, Williaghb. p. 62.
 Tab. C. 1, f. 2.
- Leidhatus obtuli vomeris figura ad latus extuberantis; cattdalonga; colore corporis finperius fulco, inferius albo. Jabebircee Brafil. Maragran. qvi duo corpora cylindracea ad exortum Caudez, digiti crafitici, mentulas effe autumat; & recite.
- 5. Leichatus, corpore migno; lato, in pinnam triangularen conninum artenunto; ora de avernerinae promuleida quinque
 digeos datlantes; labia habet offibus albis duris reclas; cutdant longam, terrema, lavem, duobus hamulis; ut riprimo. Narinari pinnum, lavem, guobus hamulis; ut riprimo. Narinari pinnum, laven guan. Narinari, aquite species,
 Willighb, p. 66. Tab. C., 1.f.; F. Pilitusen amrina lavies seato
 exculsa, albis maculis aorata, Slaune H. Jam. H. 276 Jach. Majenus Spec. imag, ven core, p. o4. Pallinae pilis ef
 mune natus, tutue volicans; quafi Ruja volitens, quarum
 corpora aque in pleciena larum artennas inns, ac Parlinaez.
- 4. Leibatus, capite exferto, caudatenui ét lorga, lavis in oujue fine-periore parce pintula parva, paulo post procedits offuse cupidatus a. Aqvia Bellont ét dela manda de la partie petitiona (ecunda Rendelatus. Aqviaone, Romera, Williaghb. p. 64, Tab. C. 2. Arve greeze. Raja corpore glabro, sculeo longo ierrato in catuda pinnasa, Arventore glabro, sculeo porte de la constanta de la companya de la composição de la composição
- a) Addit Salvianas, quod utrinque fit ferrotus acoleus, cum temen ejus figura, que proflat, ferratum non habet utrinque, fed fimplicent.
- 5. Letobatus, in medio craffus, ad unrejnes tenuis, letvis, orest, mullis grautatis, cauda crest, mot enouse, undenque in exigum, voluri ficam definitre, proceffu offeo, digiti longitudine, ferraro, practica. Pattinac prime Andelesis; marina levis, Belloms; Willugbb, p. 67. Raja cordilaris; marina levis.

A. Cauda lavi.

III. LEIOBATUS.

pore glabro, aculeo longo auterius ferrato in cauda apterygia; Artedi.

- 6. Leisbatus, cauda & aculeo levibus, Salviani. Willughb. Tab.
- 7. Leibhatus, rostro omnium longissime producto, triangulari; cauda quas puttulis lavibus, una serie un tuperiori pine guttara, eripinni. Lavi-raja b) Salotani. Willinghb Tab. C. 4-Raja tuberculis decem aculeatis in medio dorsi, Artea.
- b) Vifeera rape lavis vid, apad Aldrew 111. c. ag. p. 45 e.
- Leibatus, pullulis inermibus unica ferie per integrum dorlum ad usque pinnarum par juxta extrum cauda lavis accurrentibus. Raia fimpliciter Salviani. Willughb, Tab. D. 1.
- Leiobatus cauda breviffima, proceffu cuipidato, quandoque denbus infrucia. Paffinaca marma alera a invertación il Airevola Neapoli dicta, Fab. Columnes Willinghb., 95 Tab. Cri. F.3. Raja corpore glabro, aculcis inge duobus polítice ferratis in cauda aprecygiu. Arrati c).
- e) De mille vindus aculei pollunous vid. Ælien. Lib. 17, e. 6, & Plin. Lib. 12, e. 43. Hune radium Creem Telegono ded fie n rati Oppina, in en ndret in locales (in the Inmulta profile tells barbatarum gentum, georum empdes radii palitinearum o in la finifumurum o plicami.
- 10. Leiobatus, cauda extrema pinnata, antecedente finsplici zel co. Patitace marina, terruginea, pubercellara, terrepora ficere, Patitace marina, terruginea, pubercellara, terrepora ficere reba, vel Leiobatus so. 1? prote tufpicaturi filotis Sonata. Sed carte radios foficis hamatis in media current cauda, que levis etc. Illia Aireba pungit, quando ad ipiracula apprehenditur, y Geundum Margaratum.

6. XXVII.

B. Cauda afpera.

DASYBATUS; a darde, denfus, ofper; aupubarie, utrinqve ofper,&

DASYBATUS.

Gallet. Cauda afpera, fpinofa, ad inflar rubi fentis. Omnes
igrur pifers plant, i piraculis rhoracies, qvibus cauda eff muricata i.e. fpuns infrudes. func RAIE a).

OCCULTAS SPIRANTIBUS:

- 30 Theorem Confinitionan Modelstime All, 211, etc., 114, p. 2391. Whipperplant for proceedings of the confinition of the con
- Dofybatuz, canda fiquanis offeis, patellis inverfie' fimilibus, & junis uncis in lummo, unico praterea aculeo dodannem longo & Jeraco arman; duabus maculis infupine appriri parce, pone forantins, totidemqve utringven alis. Paffinaca marina, qvx. Dufforirdas 1 Rob. Columne. Willighb. Tab. D. 5.5.f. 3.
- Doffbatus in utroque dorfi latere macula magna oculo fimili; rodri liupina parre alpera; in cauda quinque lipinarum ordine,
 pinne durs. Raia oculara & lavis Rondeles. Gena. Aldreu Baracol Venes. Willingbb, p. 72. Raja dorfo ventreque glabras
 gaelles, ad daudos, remoque corum ordine in cauda, Arzedi.
- Dagbaus, in alis, lateribus capitis & in dorfo aculeatus, in cauda ipinis majoribus & frequentioribus, duabus maculisut in pracedenti. Rajo oculata afpera, Rondel. Gern. Wallugbb, p. 73- Tab. D. J. J. J. J.
- 4. Doffbans corper van aandir albats roundir al alpatis majoribus, anotherfielt verbris signs riverd urbus, panet perfett verbris signs riverd urbus, panet perfett verbris signs riverd urbus, panet panet

E 2.

B. Cauda afpera. DASYBATUS.

lei a capite per medium dorfum ferie fimplici ad primam usque cauda pinnam decurrentes numero funt 34; reliqua m figuris.

- Dafybatus fiellatus, totus spinis horrens. Raja asleria aspera Rondel. Gem. Williaghb. p. 73. Tab. D. 5. f. 4. ad extremam caudam tripinais.
- 6. Doffhotau clavarus, spinis clavis ferreis fimilbus. Raja clavara Randetti & dalovama, the Thornback, Angl. Raje boucles, Gall. Willingth, p. p. q. Tub. D. z. p. 3. maxims cancellate, the berculis iromboidabless, affects. In accumine caude, sub-identiant resignation of the properties of the pro
- 7. Dafybatus clavatus;, rostro acuto. Raja clavata altera species, Rondel. Willinghb. p. 78. Tab. D. 2. f. 4.
- Dafybatus, roftro acutifimo, canda bipenni, tribus ordinibus fpinarum longfilmanum ad extrementeren usqve munita. Raja aipora, Rondelet. Willingbb. p. 73. Tab. D. 2, f. 1.
- 10. Dafybatus, & fupina & prona parte fpinis frequentiffimis horrens, ut manu rolli non polifit. Raja af pertina Rondeletti. Willing bb. p. 78. Tab. D. 2. f. 2.
- II. Dafybatur, spinis ad oculos nonnullis, in dorso raris, in cauda bipenni tribus ordinibus aculeatus; cincreus; Raja undulata sive cincrea Randelet. Raja varia, dorso medio glabro, unico aculearum ordine in cauda: Artes.

B. Cauda afpera.

Dafribatus, maculis, undarum modo, flexuofis, cinereus, cor-

13. Dafphatur, maculis lentiformibus, cauda inzequaliter tribus ordinibus lipinolla; dentibus in os recurvis. Raja oxyrachos prior, Ranja oxyrachos major, Willingdo p. 7. Reja varia, suberculis decem aculesteis in medio dotol, Artada. An, raja linanueris denotus anticulas, cauda denilis finitis muricara? ex celatione Naucleri, a quo coaput mutilium; Muffe I.

pore lavi, cauda triplici ipinarum ordine horrida, bipenni.

14. Dofybatur, in Rupina corporis parte verfus alas qvadantenus fpinnilis donatus, cauda unico ordine fpinarum muricata, ad finifrum larus duobus paribus. Bos antiqvorum. Aliaraja oxyrhynchos Rondeletti; in prona corporis parte innumeris commatibus parvis, nieris, varius bl.

b) Hule proxime accedere videtus Raja , que menfe Decembri 1740, a nauclero nobia

DESCRIPTIO RAJÆ

90. 14.

Cujus pronz & fupinz, adoctavam partem fuz magnitudints redacta; icones tradinus: Tab. V. f. 1, 2.

Integer prices a roftro extremo ad exirum cauda longus 69. poll. Rbint.

Ab extremo roftro ad exorum cauda in prona corporis parce 45 poll.

Gauda longa 24 poll.

Os (f. 1.) ab extremitate roftri lit. a diftabat. 8 poll.

- - qvod reliquum, i-milibus Rājz Miffu I. Tab. VI. dentibus infiructum, qvantumvis minoribus †).

Nares: Int. b ab invicem 43 poll.

Cylindracia corpora, qwe dependent a continuata pinna ad anum
urrinqvo, lit. d, erant longa 8 poll. ††)

Ale, que vocantur, extrema abtolvebant latitudmem piles:

44 poll. (E) 2 Prona

a. Supina corporis pars, dilute lufca; fig. 2.

Oculi, nebula obduchi, lit. b, ab extremo roftro, lit. a diflabant:

polis ab invicen 2 poli.

Mox pone oculos foramina; que in os patent, & communicationem habent cum branchits occuleis in thorace, fub incituris vel Surraculis avinave.

Extremitas roftri tantillum afpera.

Eregione oculorum, ubi ex corpore atrenuato ala initium fortuntur, lit. b, fpina parvula, rara, delcondentes.

Versus extremitates vel angulos alarum, lit. e., spine valide, qve extolli & remitti possum, incurve; in finisto latere numerande 40. in deserto 20.

Canda bipennis, fir. d, triangulata; Inperne fimplici ordine fpinarum circiter 20.

ad angulum finifirum, lie. e, duo paris ipinarum.
ad extremitatem pinne due cutanee; ipia cauda extrema
ad angulum finifirum finibriate.

Hac qva externum habitum pilcis.

- 4) Apud aldrevendam de pifelhas 111, p. 3 p.s. exhibetur reftus pifes ex fiso moleo, qvi ut overh ave findiu est retus reja; m Anjja 1, de perperam decirer; elle Carchaesa pifes; nili forte ita dictus a Rágyagos; acostum; asperum (\$.VIII.)
- 41) Has corputa, five appendices, de quibus infra, circa extremitates histum patientus, proot videre licet Bis, d., finifin lateris; ambo erobefount in extremis.
- 419) Securian directione titt endiper (diperfects instancies rigid complete neutal few recurrence) probibet delificate, quite factive tatted met entermass oligiments calmident fibrare, crea non medo sefericio dal terra quie per fibrare que preferenza que precisa care la factiona familiar agradure, fadi exercis a conceltre munes quen confidentalismente delicione, per enceltramental, como in plin contenta lumera non afectivo medocate, como lumerante, como in plin contenta lumera non afectivo medocate; como lumerante, como in plin contenta lumera non afectivo medocate; como lumerante, como indicate concentration delicione, per encuedram non la especifica distintalismentalismentalismente encuedare, per encuedare non los especies deliciones delicion

XXIX.

6. XXIX.

Quod ad interna artinet, non omma observari poterane; piscis enim, pauco quidem sale conditus, intestinas cum dimidia cordas parte privatus erat, pectore saltim illaso.

Denudati thoracis facies in Tab. VI.

Monatos access media fineum.

B. Cor dimidium, planum, fimplex, non in ventriculos difinctium, in infima pectoris parte †). vid. Art. de part. pile. p. 24. ubi de corde.

C. Truneus cordis.

F Quatuor Quis rams.

F. - horum finguli ramufculi, qvi G Branchiis fingulis inferuntur. Branchiae funt pictz, prout fub alpectum venerum detectz.

Ventriculus ampliffimus fub flerno, ori continuatus; prout in pluribusanis pitcibus, exceptis itis, qvi oblongo &tenui funt corpore, ur lucit, angvilla, & multi alii, qvibus gula efi, & qvorum ventriculus in inferiori & aptiori loco.

Brauchia fint veluti nii. Rudd. III.12. (arille, pechiaes radioi veluti nii. pechiacimas, pinne calamesce su arente capillures, at 1) nedmo (nigolit, femicirculo offeo infixi, utritique cor re picienes. Digerini corpora obloga, cusa, ox membranu, mutculs carribgiosis, figuram cofarum reterentus, neuteus carribgiosis, figuram cofarum reterentus, neuteus carribgiosis, figuram cofarum reterentus pulmontus differer dicunturi, qued non folum induntus que ad branchas deferentis, verum estam technique arteries international des consistentis de cum in marchia de consistentis que que consistentis qu

Branchias in dextro latere, fi pifcis jacet supinus, penitius inspectas, postquam instatz suerint, exhibet Tab. V. f. 3.

a. Mulculi intercartilagineib. Ramificationes arteriarum.

c. Ramus lecundus fuperior. d Rami juperioris fubdivisiones due (inferior tres habet).

e. Semicirculus carcilagineus.

ſ.

VI.

f. Interftitium mufculare.

g. Membrana, reliquum circuli tegens.

Mufeularumtot, quot coffæ; corpus totum feretendinofum - horam pundtum (ut cam Winslovio loquer) fixum fuperioris cottæ ori laginer radici incerture, abline oblique fequentis interioris corle mediam petit & adhæret mutculus niet. in mulica samen fibras dividus.

Cartilagines septem vel decem, Costarum figuram habentes, in sine quantulum recurvatæ duas sere tertias branchiarum efficiume, reliquim membrana elguditur.

Spina branchiarum eartilaginea insertioni costarum infervir.

- †) Vid. Raj. apud, Willinghb. Lib. I. c. c. p. p. & Lib. 11. p. 77. Severim. Antip. p. 6p. pricious Lint artera. ... at gen corde ess unit, geomainscolain ex hipate vena. Corda p fram names goaders exentrally a vid. autores & Phil. Train. 19.1. 11. 8.4 p.
- 11) Montherme at leating conflictable deadries, collar voccinit establiquents. Seelings of termen, 18.4. April, mater., 46.7. p. 1. Insertable for termeral 25.4. Montin, Institut, 166 m. alleythout Inpertuguisment, anobique affector farrates. Heen in commun. 4.2. p. 1.2. J. Entration front, 48.5. Monting disputating poses manifest, tools with extensive factors, in concentrations, colors, femeralization, incommun. 42.2. April 25.2. Monting and farrating grantum mosts approach to specific and terminal formation.

OCCULTAS SPIRANTIBUS

6. XXX.

Captur cute, in Imperiori parte, romota, flupta foramistis magai, que mediali fijitalisi, artoni fluptororem, finu confipiendatur firmiliumaria, duces polluci municipali parte cute produce p

Or, qvod diximus, petrofum, finistram & dimidiatum Tab. V. f. 4. Tab. V. f. 4.

a. Seta externo foramini in aversa parte immissa integrum canalem,
quali semicircularem percurrens; reversa in, b.

Intra cancellos hújus canalis est thalamus lapillorum, c.

6. XXXL

Duas avas Petrus Artedus in Raja clavata p. 105. n. 10. appellat apophyles breves, moles & cartileging n expertes in tolina parte ad incium canda, mentulas elle cum clarufimo Rajo judicamus. Hac corpora, ad caudem utranque p marque ant annexa tuprema parte, a medio ad exitum usave fiffurain longitudinalem habene Rima diducta objervanda traditurin Tab. V. f. r. lit. a. Varia diverte figure (lecundum Rajum) officula intus ap-Tab.v. parent, unum peni offium canis , alterum cultro, tertum unco fimile. 5, 2 An officula dici queant, hafito; de corum fumilitudine faciles fimus, modo magis curate naberemus criteria officiorum, quidas funguntur officula, fic dicta tripartita. Circa principiam mentula, cite tepar ita, confpicitur corpus album E. c. lie. b arringve oblongum, intusque cavam, formam tell sculi exhibensiadhe. E. b. ret mentulæ corpori cartilagineo. Pars fuperior variis fibris affixa efi menrule mufculis; media fubrilioribus annexa fibrillis, corpori cartilagineo & pings ant extreme, cut incumbit; infima vero tefficult pars apertura in fem - canalem carriagiaeum magnum hatum habet. In fuperiori tefficult parte nulla vestigia communicationis cum renibus vel vesiculis seminalibus. Artedo p. 106. n. 22, nec injectione nec flatu inveniri porerant, adeffetamen poffunt. Tefficalo aperio f. 6. Tab. V., qua parte mentula adharet. in 66. duas iponte dividebatur lammas, que cavitatem fatis amplam formabant. Lamina inferior pinnam regens aliud adhuc fovebat corpus fub - album lit. 4. glandulæ inftar oblongæ, vasculis minimis qvam plurimis foetum; a. force officina leminis. Superior lamina ht. b. lavis. 6. XXXII.

OVARIUM GALEI

Confederatis partibus geniralibus in Ratio mare, ad manu venite Galla convinui, also conditium, una cum ribus teparatis copportiums, in utro de vargina volue repertus, que ab Artifacte H. A. Lib. VI. e. X. entitue a puedan a ballis ova efficience, teitacea involuera de Aderenativo de marticular marine a Bellonia delta; optificiums, ut non teparata ab treto tilienes, interim tamen omnia cum benevola Lefotte hole loce comunnicando effe duarimus, quod dicietur: paren Runorum & Galesvanuvel picium untellum generis effe generazionis rationem, cum auman millib inse de re claras & diffinitias offendimus perspositiones, quos ad caprum ammo addeqvi, nobis integrum force; y del faring & XXXVII.

6. XXXIII.

Antequam autem fingula exhibeamus, non possumus, avin nonnullorum & autiquorum & recentiorum Autorum verba, quibus fele circa generationem talium pitcium explicarunt, recitemus, qvoad famma duntaxat capita. Ariftoteles, all, loco hac haber; "nonnullis medio vulva circa ipinam ova "adharent - ut in caniculis ; over cum accreverint, abiolina feruntur ad ", vulvam bifurcem annexumqve ad przeordia, quo modo & czereris generis cjusdem in urramqve partem rransferuntur. Habet tam corum quam exnterorum muftelini generis vulva paulo a przeordiis veluti mammas albidas †), que non nifi gravidis habentur. Camenlæ & rajæ teftacea que-"dam gerunt, in qvibus humor ad ovi fimilitudinem confifit; figuracius "tefin fimilis tibiarum lingults eft, meatusque fiunt capillamentorum ipe-"cie in teffis. Sed caniculis -- feetus rupra dilataque illa teffa proveniunt; "rajis, cum pepererme, rupta tella excluditur fortus: fpinaces vero mu-"fieli ††) - ova ad przeordia continent fuper mammas, quibus ut de-"icenderint, jamabiolutis, fortus innascitur cc. ... Rondeletius, qvi caniculam Arillotelis diffecuit, objervavir, przeer reliqua, "ejus ova cile "reftacea quadam, in quibus fimilis ovis humor continetur, colore & per-" (picuitate corau, figura vero pulvinaribus, qvæ capiti (opponimus dormituri, fimilia; exangulis dependere meatus longos tenues, avos Arult. " notes reixedus vocat, i. e. meatus capillares, lyra fidibus haud ablimiles, inflar capreolorum vitis convolvi †††) — Tefla intus rupta dilapfuque, "foecum exire, atque ita ex ovo vivum parere caniculam, Bellonnus aquat. Lib. I. p. 67. ait : Maribus geminas velut apophyles ad excrementi offium propendere, foeminis folliculum cartilagineum oblongum in vulva

nistroitu quali refuecum apparete: in quo albugineus humo concercia, a quem ane conceptum onitionus ; que re più vulgas marculam maria quem ane conceptum onitionus; que re più vulgas marculam maria pra piura hoc de re node didevandum p. 45; vila de Rajira giuru i de plurima ce jam didis obburriari adeo funt avroltuta, ut vits firelligi que mi. Qui d'armatire do vario de ositulta pilate ce entante geniere Centrius finnite committe con de control geniere Centrius finnite committe de control de tierro Reje in epithola de Rajie anatume regali, es glandatis et mariatus dijunctia.

- t) Qyid per mammas alliidas intelligat Arifloteles, melatet.
- 11) Qualis eft Galeus acanthias,
- 411) Monet rainen aldarenandus Lifs, 111, p. 37 81. y. Rectus Rondricties & fignificantius and following and year years are fine for the following the first place of the first place

6. XXXIV.

Preter reliqua, 1/1/neutill, quodab Autoribus dicitur ovum diu neunimentui, un gudum hiviju reu habere no potureirin. Tegle ain hitioria animalium proturo devendo, pro dermaeconcharum & cochiidum wie pro putaminimentui prom Avum, Tednahuma finitumen finitum: religiarea, ani diche @pademilati, oher bon foldem @doaling amodati, novamente and cruthas feu dermata aflacorum finitiumve accedit; fed rutilm communication and cruthas feu dermata aflacorum finitiumve accedit; fed rutilm communicatives islaumodi ovum teflaceum selt, novario wel extra ovarium raip piticumqee mandelini generis, vel in usero wel in vagina wulvz, five integram, five rupsum, foru periodo & egrefio.

6. XXXV.

- In Tab. VII. 5. 1. exhibetur minor Onorit pars, involuero refoluto, mini- Tab. musqve numerus ovorum ovulorumqve illico oculis obvio- vit, rum. Ipfa ova-tenuifimas habent tunicas, prout imma- rura ovula gallina: materiamqve continent pallide flave
 - fcentem & quasi felle tinctam, puri fœculento fimilem †);
 coherent fuis ligamentis, & forte (a. b.) jam matura vel
 - maturitati proxima funt; forte, fie in oviductum,
 c. vel fimavis in tubum, alias fallopiana dictam, c) ingreffa,
 figuram rotundam mutant in teretem, corundem autem

tunica fuccessive abeunt in membranolam substantiam fa-

Potro fufpicamur, ova tali modo immutata tamdiu in utero ††), qui fotro fiperior vagine pars Avifactif audit, harrere, usque dem folleculus cum fotu perfecto involuceum lucceffive artenuatum perfregerit, inque togine (a nobis diffict k multumper tigolo) inferioren partem f) defeenderit, ibidemqve tandem catulus excludatur.

dimus; o) time apiliamenta, que de fecundina diclas;

£) autern el idem folicibus +††) ab altera parte
transparens, qui codem in loco £) involuerum finum propria virtute sim attenualle videtur, ut legitimo tempore
prorumpere positi.

E 5 Tab.VII.5 Bif folliculus provedior nudus, & ab involucro membranoi biberatus que o parco, loco feculeum humoris, escriptos per la consulta defectiba, osfendiamas, inhiberatus qual vitello o matematica de diducius cofto fituilis, ex parum flavo rubentem e e al lobo marmoratum, filinicumqve humore vitree, al bumni ovo-marmoratum, filinicumqve humore vitree, al bumni ovo-

t. Tab.VII.£ 4

Tertium folliculum exhiber, ubi fætus exclufioni
h proximus h) m fitu usturali coafpicuus; hunc demum fine
difficultate ex folliculo extraximus, & explicatum in ma£.5. guiudine naturali pronum & fupinum fig. 5. ditigenter

rum famile.

OCCULTAS SPIRANTIBUS.

delineari facimus. Matre, qvz fottun tulit, defiituri eerto determinare non politunus, cuius fit ipeteit. Surpra cauda fere tota ĉi qva partem dorit pititealus aculeatus videur. Conf. Cantulam Ariftorelis cum folliculo & capitlamentus put Q Rondelet. p. 326. & Bonflittutu p. 162.

- 5) In piles Cantinia (mui) assessania addi den painter ouvirus in utropo latere suum observants outer pages, mediorus, numan, shu, a pegen latiendina, seumolo, delinays, nudura tuberenha suurvilus; item ovoloidus gennuam. Uterque vondetus ai, seb supera de dapiniguma percensaria hepopus met de dapiniguma alexendaterent fas seinem et miles abdomibis litere to medo ammelloshuru; or fatamus in sadom non vintelebule alum exprese prodite, Jusque alladardarbista enformationation et il entire. Petra melirare conductionation delicito, liques aloue affairei, ori empore quidam depen, an et molitura mills menatatus; a publica effortie delimine petra, anderenge competa pro oni lobusty, in quintum continum delicito.
- 4) Iterum, vertrocia antierem bard difficiliem, fie Inventione, pour Institut overnies setzem Reise an gibbel five latigne desirght, es despit follottus eventivation, east trocs albeitune, interfectoristis. Totas sich euro desibel format contact attention, forest above neutro. Reise per conduction forest contact and the contact

6. XXXVI.

Qvod reliquum eft, opinanur, non omnibus Galeis unum cundemque eft modum natura qvo fictus fluos fovean & excludant; conferetur Carolus Galei Afteria; five Mullefi fellaris vet vatii 'Tab. E.f., qvi funculo umbdicali & facculo (an fecundinis?) infrudus eft; cum intile qvid in ference five to the conference of the con

AG DE PISCIBUS PER BRANCHIAS OCCULTAS SPIR.

on Tab. VII. f., non invenimus. Readelstus de Acanchia reflatur fels feur neuro peritor feuro abfervalle, quos es ovis per venam, quan ana-comici umbilicalem vocant, excludes pendentes, multir alits ovis nondam exclusir: ova autem nullo vinculo ulligata effe: itaque ab ovis alimenta trabi ab illis, donce perfectifores emitrante. Data occasione, reliqua inclariora luce exponere allaborabimus.

6. XXXVII.

Jam julo diutius medius in squa, an homo an plicis, tempus edi benchondinis, immanue peterce, ne minisi fipolis, quoroum dealta gamina rofinue, omudus vel teadium vel culpam contraham, quod ultra vires ejorim urinatorems; terminum taspe timpoo huisi Midiri IERTIO, quem fi ina amunerim, relieva recipient, de l'OCLBUS PER BRANCHIAS APRATAS. La companio de la companio del la companio

Seneca

Lib. VII. quest. natur. XXXI.

Multa hoc primum cognovimus faculo, & multa venientis avi po-



ADDENDA

b. 2. lin. 15. i. c. pro: lege: i. c. aqvanı pro

p. nore c) adde: — Jecur in lavidum illius tabeftir o livum &c.ad jecor's duros confert excosque dolores, nam jecur emollit viribus omne fuis, Fel vero jecori pendens hypochymata delet, quis tamam tali in pifce putaffet opem. Boullitet. de nat. aquat. p. 159.

p.11. ad noramf) adde: vivum naimal vulpis parit, in femeraque receptat, præque mecu magno protegit ore thos. Mirus amor, t peckes favantum parvus eorum, qui propriis fraudant quos genuere boms. Boufflietus p. 167.

p. 13. ad noram a) adde: Fas carne qvident dursell, refliptey ternum, nelcio qvid — jvdicto non rencenda meo. Illa puellarum prohibet grande-feere manmas, & laxas flabiles efficit effe diu — fiqvo id reseifeat femma, pluris ement. Bouffit: de fquutma p. 157.

p. 15. ad finem num 1. addc: vid. Severinus Zootom. P. IV. p. 348: fub majores pinnas duo quali brachiola in longum polita per cavitatem. qva fertur ad

branchias', articulatus & muteulis adornata' p-2,3 and seema y adode: Hane multi piecem digrantur nomine Lune, qwod lunamer xaliqva parter eferre puecus; sorce esam moctus you of multo pienamer xaliqva parter eferre puecus; sorce esam moctus you of multo pienate in a sidificultus lumas luma strin. Bough, prog. Lubez uge; ande lute des a filiarco) all, prout plura upod autorem, its inchrono 6 figuras et deternationes l'injudez la lune. L'edites a dific éclare formeren guaranteradas.

emptones impacte tithe "Zappere such earlies Grape and Timeranuas.

In 29, addes Sud offisies and irrambus branche latent. Bigaritument to a control to the substitution of the substituti

p. 23. ad norama) adde: Adverlabina Orificia, utrinqvennum; tubqvibus fingulis quaterna branchie, que refipandent arteris. Inde pare incuria Philosophi, qvi branchias inurana negavit integras; Psinii, qvi dixu nudlas. Seceriu. ct. p. 368

p.31. lin. ult. adde: vid. Bonffactum p. 153. 154. Pilcium figuras vel propentodum meliorres exponts, quan Rondeletius, menjus graciam epigrammata leripfit, que non in omnium manibus finar.

p.34 ad nocame) adde: Neteli peracuto culpide ledat — virus enim infundit, qvod fir mortale nit obites, nanqve gravi tentat, cumqve dolore locum Boulf. p. 138. de pallinaca.

p. 37, adnoramb) acide: Bonfluer, de alia raja Oxyrbyncho Rondel. hac habet: omunno miliz funt huic in corpore lpinz, nam rantum in cauda lpicula acute gerit, p. 143.

p. 36.lin.5.a fine adde Est pinis horrida tota suis, proin solum hanc auda poteris comprendere manu, qua gemina in cauda pinnula parte subest. Bous. p. 151.

CORRIGENDA Mill. III.

p. 2. lin. 55. lego: i. c. aqvam pro.
p. 5. lin. 68'7. ransverfo

- lin. 9. ransverfo

- lin. 9. ransverfo

- lin. penult. pid effunctus

p. 9. lin. 25. - Acauchite

- 24. Linneus

p. 14. - 25. Mermald

p. 28. - 9. un et sit Martal.

p. 35. - 16. ficuti in rubo;

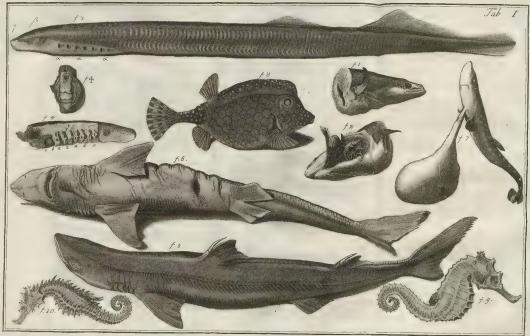
- mm. 2. lin.ndi. - doculos

p. 35. - 16. finificat

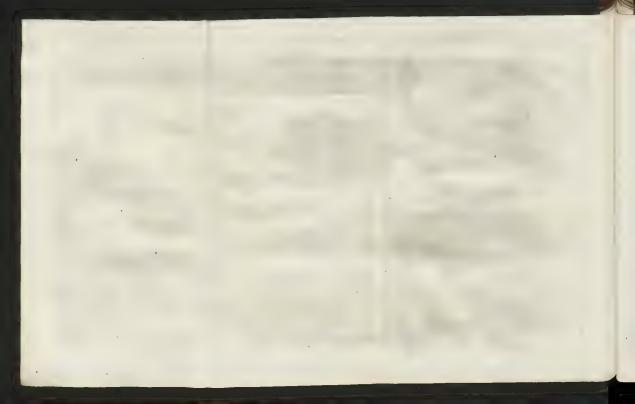
p. 48. lin. penult. - quarum moru aqvam in aqva;

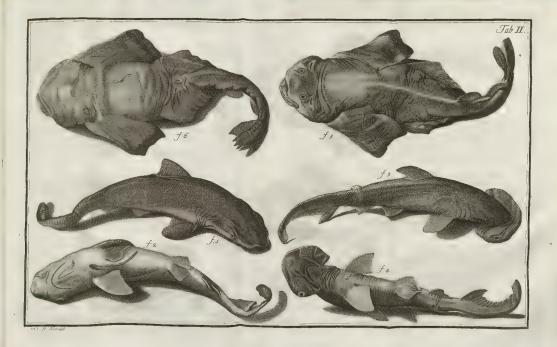
Notand, Ex incuria pictoris pinna lateralis anguilla Tab. I. f. i. motu conerario replicata erlpicir coftrum, ficipiraculum branchiarum, quod prioritum redicem pinne eff, apinna eggur, ex durat neught. Hanc incuriam ante non observavi, quam Tabula fiserii cestara; monendum inspue duri, fibreculum rimmure citca regionem ubi kr. a. fub pinna replicata fitum habere; ibidemeye in anguilla deprehendi.



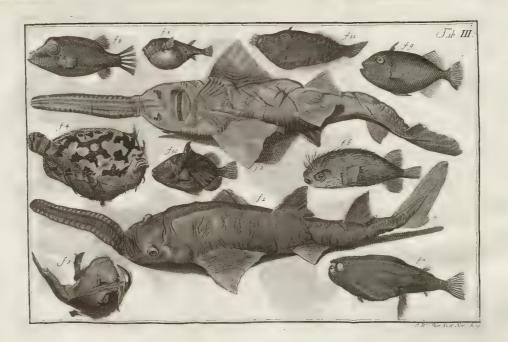


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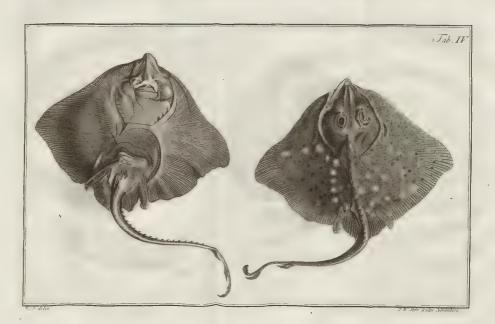




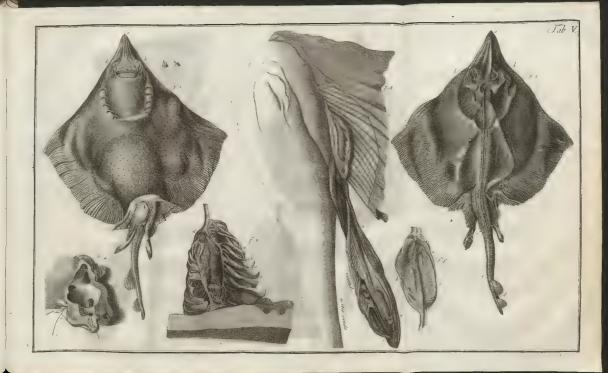






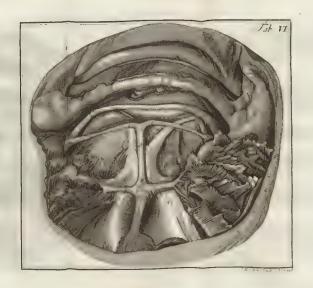




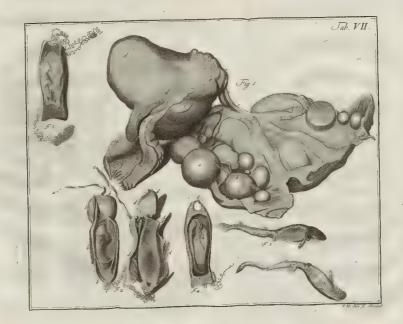


a









JACOBI THEODORI KLEIN HISTORIÆ PISCIUM NATURALIS

MISSUS QVARTUS

PISCIBUS PER BRANCHIAS
APERTAS SPIRANTIBUS
AD JUSTUM NUMERUM ET ORDINEM
REDIGENDIS.

SERIES PRIMA
CUM ADDITAMENTO AD MISSUM TERTIUM.

Lucretius:

Ovid nobis certius iplis

Sensibus esse potett, quo verá aut falla nocemus?

C. U.M., F.I.G. U.R.I.S.



LIPSIÆ profiat apud JO. FRID. GLEDITSCHIUM

ub. & religya autoris opinkula.

GEDANI Typis SCHREIBERIANIS. 1744:

Seneca Epift. 33.

Qvi ante nos ista monuerunt, non Domini nostri, sed Duces sunr: Paret omnibus veritas, nondum est occupata. Multa ex illis etiam futuris reli-

PERILLUSTRI. ET. GENEROSO. DN. DN.

DE. REAUMUR.

ACADEMIÆ. REGLÆ. SCIENT. PARISIN. SOCIET. REGLÆ. PHILOS. LONDIN. ACADEMIARUM.

PETROPOLITANE.
ET.

BEROLINENSIS.
INSTITUTI. BONONIENS.

MEMBRO.

SODALL

COMMENDATORL

PRÆFECTO.

ORDINIS. REGII. ET. MILITARIS.
SANCTI. LUDOVICI.
FACTORI. OPTIMO.

D. І. Тн. К.

Gravem

G W ravem & Illustrem eruditæ Reipublicæ Civem appella-

re epistola in angustum contracta, onerare levidensibus plagulis, sæpissime magno periculo erratur. Qvid mirum, si pro cauto timidus accipiar. Tamen me movet aliqva vis; nulla perturbat, ut infra vulgus timerem. TUA MONITA, ut propositum non mitterem, qvo, Natura magistra, nantium greges ad illius leges disponerentur: TUA MUMANITAS, qva inseqventes conatus susceptsti, & citra mendas

mendas probafti, vim mihi dedere, ut ulteriora studia TIBI dicarem. Jam TE nominare sufficit. Qvis enim non novit, quanta sit Cura Cordique REAUMURIO. res physicas dignissimamque Genere bumano bistoriam naturalem & Oculis & Mente intueri, scrutari, perficere? Hanc curam qvis TE curatius gessit? Quanti celebres fætus & INGENII & INDUSTRIÆ TUÆ in Commentariis Regiz Scientiarum Academia Vestra delineati! O. quantum est, good Animalcula, qua plebs erudita despicere solet, TE extollant. Utar

Utar Plinii Secundi verbis: Opus pulchrum, validum, acre, sublime, varium, elegans, purum, figuratum, spatiosum etiam, & cum magna laude TUA diffusum: Volumina modo Sex; qua tracto, retracto & amplector: MUNERA TUA.

Calamum sisto; ne Epistola sinistram manum impleat. Vale & fave.

Dabam e Museo Gedani, 18 Martii 1744.



PISCIBUS PER BRANCHIAS APERTAS SPIR ANTIBUS

nimel oquaris, cui PULMONES, sōr@s, Cetus, illud
CL. BRANCHIAS, q. as mulis aliis netura tribuit;
c. 36x s. plints, Artifictal auduutt † L. Cetas, qui
attero lucumque fingiunt, in Milju II. ad ordineri
naura en rudeg.mus; funture omnes PPISTERES i c. 1-aucres a). Fibras, Lutras, Phoen;
Maria e for. b) que operate fiunt, non pinnis
mana en refer de proposition de partir fiunt, non pinnis
mana en referencia de proposition de partir fiunt, non pinnis
mana en referencia de proposition de partir fiunt, non pinnis
mana en commontantes, doministrativa de proposition de partir fiunt, non pinnis
mana en commontantes, doministrativa de partir fiunt, non pinnis
mana en commontantes, doministrativa de partir fiuntes de partir de partir

aga se perquandan non commorance, dummodo vidam inde mollamira, naque licum rurfia exantes. & m tera vei liper flati sen rapibas documantes, conspecientes, parlentes, unde vulga amphibas (), ed ilio-tu centra agregarea nobis non heufite, aque derinas layer, ne, que animalia retura d'unica, et coto, et ce a bin vicem differe volute, confundereure. 12° jobas, (), sa eradata non moviment () fre Branchanorum, chuos (migli II) s. (V.) admissionato ordinei finamos corum lenlice; qui cel con montante de la compania de la confundamenta del confundamenta del confundamenta de la confundamenta de la confundamenta de la confundamenta de la confundamenta del confundame

3) In Adjille 17, § 111 monylimitis, circiansfeelle confiderandius elle figures piction apud su-tores, quote cum filide in espites, self, for farrers, pictus politic deprihambinos a cucropis losteral del delimino pictus farrers, pictus pictus deliminos qualità elle pictus qui delimino qualità elle pictus qui delimino qualità pictus. Esce alsa monte filimino pictus pictus pictus. Esce alsa monte filimino pictus pictu

5) Appl Goordon Gestodó S. Thamittes p. 9,576 A. FFFF (n. v), profile attimal tres certical parks logical, opper serveys receival certificate, at Qui / in lacent selfation ensistes tremanutes, plens consult guaranthous, abezroream capacid doctor ground legar latinges doctoram, externel process, good feecum Mantia p. Picerc efi netwant states, or maintenance, tendence, good feecum Mantia p. Picerc efin netwant states, or maintenance and tennes feet; quadr polent serven feetures, and process and process of the network process. See what entire the how some mixtures are certificated in the process of the network process.

c) Pro naturali animalium dispositione lingulare genus soutilionem confirurre, men qualieunore sortes faperracanoum eff. Nemo haftenus familiar absolicionam construir Anferons, Larogum, Anatum , cura tamen revera Amphibia fint angualia hase volus, sa. nee obfinisfee, good in superfiche aquatum non in aqua natent; cultibee en n connitum off. & anates & large goves fefe fullmerrete ad capiendum victum, para modo ac Phoca, Lutra, Callor, Sprices advatice See. Sed unde ell a grod Gelymbi non falls fine pifers plumofi, com Mannet ell Trichechus i, e, pifeis criniens a Beif cums & cybuc pifeus? eshade nungyam in tellurem egrediuntur, nedum patiendi gratia, fed vel Inter merst fana rupesve vel ad I ttora cespitofa nidulantur, iluctibus undarum vicina, feide tamen de Pusine ave Predramum Quadrupp, Hift, nat. p. 16 lits. ee). Quedam animalia ex industria hominum amplabla fiont; & qvis dixeris Urmacores, prodat Unionum mhiantes, amphibus rationalus? ad quorum tamen historiam stique pettynet, good fingulis dichus, mox geidem poll partum agen fubmergantur, ut freamen furfixed homenes tales. Branchista animalia, ubi volunt, diutifumas fub sova moras trabunt, fine allo suffocationie periculo, religio pulmonum spirali viscere priedita, si ones opent ductius even neceffices postulat, fab aqva effe, fuffocantur & evanjointBRANCHUS APERTIS

יי וי mme ovali, ad defin cardis exfedito, conf. Rendel, L. I, esp. is, de plicite, קי פארים בייים יצורם לי בארים בייים יצורם בייים מייים בארים בייים בארים באר

On existence, quantities tolere formétair a de la ley martinal e librades, evident, les considerations de la librades de la li

§. II.

Jam vero doctiffimus Artedus Ichthyol. P. II. p. 54. fatetur, rem altinrie offe indaginis, pricum funoforum a) invenire characteres genericos veros; gvod gvidem difficeri non poffirmus, cum ob multirudinem ac ficiem externam, inter divertos pilces fatis fimilem, ab incautis non facile als invicem dignofcuntur, unde ettam eft, good autor cit. L judicet . primum ac pracipuum characterem generum ab aliis, quam ab externis narribus defumendum effe. Verum enim vero, aliam rem ex alia coguantes co adduci non portimus, ut generum criteria aliunde derivanda fuffiperenus, quam vel a facie externa, ubi fola fufficit (Arted, 52, 85 62) vel. ubi fola facies non fufficie, in fublidium vocatis partibus externis eqrumque numero, figura & fitu; qvi characteres (eod. aut. ibid.) omnibus reliquis antecellunt ob evidentiam, & qvod flatim in oculos hominum cadunt. Ubi vero characteres generici a partibus internis, v. gr. a dentibus b), visceribus, vel etiam a spina ejusque numero articulorum (Art. p. 61.). ne dicam de loco c) moribus aut natura pilcium diverforum, defiumendi, pifcesque ante diffecandi, vel loca aut mores corum prius inveftiganda. quam, cujus generis lint, cognitum haberemus, verendum eff, ne delutim, inverto ordine naturz, operam præftaremus.

b) Pifees, qui fola aqua lamofa, pingul de matritia, ut acipenfetes, vivere cuid, tamen Praind, de cruftatis 6, 11.) perhibentur, edentuli fure; alis dentati, non omnino pro fui defensione, neque ut aibum mafticarent, multo minus ut ruminarent (quod de Scato supremie & prifes & non-sub recentionum fabulantur) fed ad retinendam predams hime ut plorienum verfus fauces dontes font reflext, acutt, feroins ferratt, nec femper in ore anteriore, fed in spite fauchus ad confinia ventriculi.

e) Cum aldrevendus in animo habuerit, bansa differentias praespuas paleium, a corpona integumento muam, a loco, quo degunt, alternas confituere, queritur, per autorea fibi non heulife priori uti, greed squamosos firpe numero cum aspera lavique cute praditis implicant, unde factum, quad differentias prícium a loco elegent, pricecore maringt, fluvintiles & lacuftres dixerit, que classificate omnium meleruma ell , cuius fi noffris temponibus Aldroyandum non pumtu-fice, piaeulum communifice,

Ut noftra fert opinio, nihil in historia naturali tam difficile est, qvin avarendo aquabile qvid investigare licear, modo nobismet iplis non studiode objiciamus feopulos, qui, vel jactu minime faciles, difficillime removendi funt a). In hoe Miffu IV. fefe nobis obvios dederunt prices, quos inter & pilees vel pulmonibus vel branchiis occultis pradires ipig patura conftiruit certum respectum, qualis effe foler inter Antelignanos & pediffequos; qvod adeo verum, ut parallelismus duci quent inter alterutros; c. gr.

Balenas 'capitolius & ventricofies. cujus caput tertiam propemodum partem totius cornoris absolvit; piscis pulmonibus respirans.

Miss. III. Galei; roftrati; ore prono; branchiis occultus. Cynocethali : ore longitudinalicer & profunde fiffo, horride denta-

to; branchiis occultis. Priffis: roftro longo, plano, ueringve ferraro; branchius pecultis.

Miss. IV.

Silurus, capitofus & ventricofus. Pifeis inter onnies, vel occultis vel abertis branchiis, capite ventreave appliffimus.

Acidenseres, rostrati, ore pronobronchiis apertis, Latarous Clubus marinus Schonen, ore longitudinaliter & profun-

chiis apertis.

de fiffo, horride dentato; bran-Xibbias; roftro longo, plano, fimplici scie utrinqve; bran-

Cray-

BRANCHIIS APERTIS.

Crayracion (num. 32.) os in roftri tubulofi extremuare, branchiis occulere. Raie &c. plani, oculis in unico la-

tere, brauchiis occultis. Caprifeis plant, in utroque latere

oculati, branchiis occulars, Petromizon, ore omnibus corpo-

ribus adherence inflructus; branchiis occultis-

Et fic porro, qua hyftrices, congres, plures.

Solenostomi, os in rostri tubulosi extremitate; branchiis aper-

tis. vid. infra 6. XII. nota a). Bugloffi, Rhombi &c. plani, in unico larere oculati, branchiis manitellie Acaraune, Guaterne, vulvo: pla-

ni urringve ocularia branchius Oncotion flerno; Echeneis, Superiori capitis parte omnibus corporibus adharentes: branchiis manifellus.

a' Difficile utique eft, grad achue freer, determinare pifelum nemeta; aft fonce difficilius, eadem ad intellectum omnium accommodare, good non folum crudicia, fed &c minus doche inferviendum: cum digniffimum nobilitate generis humant bifferia naturalis fludium utique omnes refricit, omnisque anima exaltare debet opera creatoris vel venatores, vel coqui, vel pilinteres, vel alii in arte inveniendi non fufficienter verfatt feandalum defomant ex propofitionibus noffrie, quod non fatts intelligere valent, evid valere debeam termini & vocabala, e. g. alaudas & columbas elle paffères, offrea vermes, gyin potius communi intellectus paradoxa & natures rerum adverfari exclament.

6. IV.

Pisces itaque branchiis apertis, qui in Missus IVeum & Vtum intrabune, rurfus ab externa facte & a partibus corporis notabilibus claffificabimus. Qvippe offendmus vel capire & ventre, vel capire & cauda fimul, vel oculis corporis quali compress, vel aliis criteriis evidentibus donati, pro MISSU QVARTO, ut supra inni commemoravimus, notabiles; vel corpore field lates, vel carmates & coffigures, live fint derio late ventrenve cultellaro five ventre lato deríoque cultellaro, omnes autem a numero oc analitate pinnarum dorfalium a) vel tripteros, vel dipteros, vel monopteros, five fint alepteri b), five pleudopteri c) MISSUI QVINTO refervaros. Sic BRANCHENDELORUM, qvi Branchapacryphorum fuccodanci font, DUAS Inpereffe SERIES adinvenimus; Omojum fumma capita faicus vincire liceat; nam nobis res, non nos rebus fubmittere conamur.

PISCIUM

(Fascienlus I. Capite & ventre notabilis - SILURIUS, 6, VI. [A.Ore prono; capite in folidum roffram excunre: ACIPENSER, 6, VII. Fr. Et labraces roffro retulo, dencibus horridis, LA CARGUS, & VIII. 2. Mandibula fuperiore in rollruna norabile exenure XIPHIAS 6.1X. Fafeiculus II. B. Ore fiffo. 3. Inferior mendibula ultra fuperio. rem roffraram products MAroffrati ore STACCEMBELUS, 6, X, vario. 4. Urraque mandibula aqualiter ro-Orota PSALISOSTOMUS, 6, XI. C.Ore in voller tubulali extremitate: SOI ENU-STOMUS. 6. XII. D. Capite & cauda roftrasus: AMPHISILEN. 6. XIII. A. In dextrolatere oculati: {1. SOLFA. 6. XV. Fafesculus III B. In finishro latere oculatus: RHOMBUS. Aparti- notabiliter bus no- plani & ocu-TRHOMBOTIDES. 6. XIX. tabilı-C. Utringve TETRAGONOPTRUS XX lasi. Ibus & oculari: PLATIGLOSSUS. & XXI. cocpo-Fafeiculus IV. Thoracati & no- CATAPHRACTUS & XXIV. re anguilla PISCI- formi Fasciculus V. Vel sterno vel capite notatis ad ONCOTION UM Pro BRAN-Miffu inflar ricini omnibus corpori-bus fibiove invicem adharentes: APER- quarto. Fasciculus VI. Corpore teretiusculo, unde ENCHELYOPUS, TIS angville adipectum habens. §. XXVIII. f Falcieulus VII. Dorfo aletryptero, &c. Falciculus VIII. Dorfo pleudotryptera. &c. Corpore spiffo vel lati Rafeiculus IX. Dorso alediptero. &c. 11. vel carinati Fafeiculus X. Dorfo pleudodiptero de Pro & castigati. Fasciculus XI. Dorso alemonoptero &c. Millu quinto. Fafesculus XII. Dorio pfeudomonoptero. &c.

sa la agranda e como fare, in ananoles bire mans unica con a interdom unica ou dem hance . read conduct continue, in Thunno, Printing plates funt circa caudam co anyone of Parter and particle a podece ad cauding & about ma doth ad cauding

by Sive yet a vel to eta a nota inflitudo (alanho, vere, revera).

c) Sie derfin im einglam mentiantur poll ferundam pinnim derfalem ad eaudan unive & es o pro es anum numbus pinnulis diferens quali sofisteres ut priamides pleudu , c and an american dorfo five aculeati five ferrati, rel pant, a abus confue titby Cacaters fore man population. Plendomonoptets wer source Theory of the property fills " Cretas liabent , ut Perox amboments &c. vel dorfels & ventra prints for t t a po tear, funt, ut Glauce 1, 2,3, Roudel, Amia Salv. Sec. Quipline diwarpor, Box last s set, per definitionem piferum Afilla 1. 6. 1.

Force eriam in Millin Vio., notas minus generales e, er a faugmis a) peticas (beet difficulter) amplectemue; quod AUTOR natura lopientiffinus mundorum piletum, Ilraelitis in victum concessorum, characterus generales in pinnis squamisque depositit Levit. XI. Sane, nitura nil remere and, need whiter ludit com piteium pinnis, live is it dortales five ventures, tie abuse licer diffinguere pifees a facie & partieur corporis externs b). In antecessum autem peritrasi esse cupimus, ne nobis vitio vertatur, nbi vel Harengum ex ampliffimo Cyprini, vel acum vulgarem ex Louis five Efecis, & plures ex aliis generibus ab Artedo condicis, vinda-avectorias pilces eo non pertinentes, vel ubi nova condita gonera ad parecio-(c.mus c). An Lucio-perea fit perea, trutmabimus; nomen eqvidem con-position off, ideo tamen piters non eff mixtus, sit volunt nonnulli. prost nec mixtus est piscis Squatino - raja live Rhinobatus Mist. III. 6. XXV. d). Ubi necessites postulaveric, indicabinus spercula branchigrum, an offes fint, an vero ex membrana in tolidum conflata, etfi hac omnia ad iplam pricium haltoriam porius quam ad ordenem pricium pertinea u., ab operculis vero genera confuere, meggam nobis non crits nec credere la eft, eum, qui tale quid fequi velit, vel fibr vel altis nedum hiflorig pilcium in ordinem redigendæ latis daturum esse. Denique nomina graco-latina (quod moris jam eft, nova condere, ubi vel antiqua futhcere poffent) generibus inicripta, fuis locis fufficienter explicabimus, un vel minus doctis rescire licear, qvid dicta venint vocabala.

a ledgrey, rob s assactinte Letter, or part sper variety of Overtura ser in Brachim comederant augustum : 9000, lubrica liget & fine fquamis apparent, nia iominus camen favamos habet, exiliffimas guidem & a Lenteenhabis (vid. Mid. 117.9. 27. m. 6.) de eclas & amplificatas, pinnas vero (quas ne dicas nollas com setedo P. IL 5. 7) confpiouse; iam autem Deus pracepit Leure. XL 9. Movecungre in anvis sinnules ... habent & faussus, tam in mari gram in fluminibus, ca comeditis ... viders stance poffet, grod Deo omtia font detecta, datam fisife Ifraelitis ficultatem comedendi anguillas ; vetum, cam nulias anguilia nobis evidentes habet fiquantas, quas perexiguas ante Leabershakiwa & fine ope microscopii nemo fomposfite. Leaberer autem voluito obadientiam Legis fibi praffandam fimpheirer iaxta characteres a sinnis & fayamis ewidentibus fimul desamptos, qui numtrum ambo mox sub aspectum vanirent, urique deficiente altero charactero evidente anguillam prohibitam fuille iudicamus, lam ex diverticulo in viama, pauca de foncessa funciaddimus; qued mifelum estraro defendant, ne ab aque continuo allapfu fiaccefeat; crefcunt com pifce, & fi pafturam pathe fuering, reflictmenture to & Enchelyeon five anguillaformes offices & lubrics avi dicuntur, non omnino carene fiquamie, inprimus lanta ventrem, licet perexiquis & obleurs, qui sus pracripue eft que cornera carnem defenders, multagre viscoficate pradita, qua fimul conferentur caro ab arjutus aqua, de mana transpiratio impeditur-Sovemer ex pluribus lamellia conflant; Vic. D. Reaumurium fur la formation des ocailles des possions , mem. de l'acad, 1716.

 Pinnarem beneficio pifeta corpora fua in aquilibrio fervant, floftunti & in anteriora promovent, fad gracipus via motivo eli in cauda; confi. Barrili, de mata antenel. J. J. Abenthe. Ph. 6, p. 698 p pintera autores.

e) Vid. infra 6. XXIX. not, b)

3) Sic Tragelaphus nomen compositum of a Cerus & Hirce ab Shatter no reduce de quo vid. Belen, obferu, fing. p. 121, in 410. Bite compafé du Bouc & du Cerf. Hirea - Ceryus ex rupibus montanisque toels mauritanise apud Fo. Celum ver, animal hill. s. cg. Inter animalia mixta itidem refertur, vid. J. C. Peyer, Mergest. p. 57. 78. fed perpream. A nonnullis non entibus adnumeratur, quos refutavit Berhartus Hieror. P. II. Lib. VI. c. L. Hujus generis integram familiam anno 1728, d. S. Mart. Deadu vidi & observavi in Sohurbio Fridericiano shidengre in regio prædio Offres difto. Marem Inspector appellabat Afaffon africanum, feminas Baeringen. Miss rettorfur & a latere confideratus famba eft Cervo nano, caoda & Hofeafus (bie Bfume) cerva proot & color pili pedesque cervorum font, collum adipale villofum, ue cervis, Arttrorfos azoite oculis & cornubus ad vervecem referendos. Cornus fuor vervecia, validu, albicantia, nonniful comptella, annulata & ad latera reflexa; fat ferus, torova. tas & catenatus. Femine pariter so mas, non nell anteorium infoeche capras vel caprum, imberbes tamen, reference illu ficis manfuette; pavibunda licee ad infolitum firep tum, aden, ut prout foices folent, in parietes involvent. Ex has delice. etione eqvidem paret: Tragelaphum neo Cervum neo vervecem elle vel hireum : Gd quis en propter dixerit : ex commixtione Cervi & furei oriundum? manet animal ful generie, propter caput, principalem animalium pastem, de cornua ad familiam birelsam & genus thieirs, specie corandus ad latera reflexis, pessios telteradorm, ceram ad familiam ved genus cervisiams i loce corana sobet tramola non limplicas ("por rotto acuminos de la familiam ved genus corana sobre tramola non limplicas ("por rotto acuminos de la familiam de la composita personas sobre tratura en acquiso (est com monillares, some in commissa, que ca-poram nagua (sint a posopluta, "Comara superioria correspora encidada fina ved baved to familiar i quin portios, non attenda corandora, ad l'epontumus genus criterado la mentaliza acuminos de la composita de la composita com

§. vi. PISCIUM BRANCHIIS APERTIS FASCICULUS PRIMUS.

Capite & ventre notabilis.

SILURUS. En pilcis branchendelus sive branchiis apertis vel manifestis (Miff. 11. g. IX.) inter omnes qui branchiis respirant, caput depression, rictum a), ventremque habens amplissimum os cirrolum. Multi autores veteres cum latini, tum graci, Cetaccos acceperunt pro grandibus cujusvis generis pilcibus; &, fi qvis, inquit Gefuerus, marinas beluas pro cetis dicere malit, non impedio; nam cetarium aut cetaceum pifcem non tam de Ceto proprie dicto & pulmonibus (pirante, quam de maximo pifce bronchias habenre, ut Thunno, Lamia & limilibus (qvidni ettam de Siluro) acceperum, fic & Scaliger ad Arift. lib. II. cap. XVII. xvres capacitatem fignificat, aliis nomen hoe nequaquam a vera generis Jubitantia, fed a fola magnitudine accessit. Prout autem inter Phyleteres Balene caput tertiam propemodum partem totius corporis ablolvir, (Miff. II. J. XII.) riclusque & venter ipfi funt ampliffimi, reliquo corpore post anum strictiore, sie de Stluro nobilifimorum fluminum graffatore idem affirmandum eft; oui in viftula aliqvando 16 pedum longitudinis, capitur, & de quo Pliniuss "Graffatur Silarus, ubicunque est, omno aniamal appetens, equos innarantes lape demergens: pracipue in Mano Germania amne & in Danubio;, inio perfusium nobis haberur, Rondelessi figuram balana yera muftelarum more barbathe (Mill. 11. 5. 11.) tanqvam cerebrinam, ex balena & Siluro compositam effe. Silurum Williaghb, minus recte ad suguilliformes numerat.

 SILURUS

nalis en m us magno hata recislam et — alia parvum., Vide autorom plathous de molitinalme de pandiare partium; de lauisare de afperirate; de figurarem distremis dec. vouf, eap. C. N.C. fol. 169. de Situra, de Gealizerom pallim ad deift. Hiff, entm.

Species funt:

- 1. Silurus cirrís duobus supra oris angulum, quatuor in mento. Cauda finbellara, flaceida pinna post anum continua. Glanus, Glanis Arift. Plin. Silurus plurimorum autorum; Mikoupes greeis. Schaiden, Scheid, Wells, German. Thea fish Angl. pifeis barbatus Salvians. Silurus Schoneveldi. Sum Polon. Combfone Rafels. Ifwdicha Ung. Marfill. op. Danub. Tom. I V. Tab. 2. ex cujus deferiptione has accipe: In ingentem corporis molem excrefeir, adeo ut interdum ducentas libras longitudinent unius & media orgia & amplitudinem ventris duorum corpulentorum virorum antecedat. Oblongus, capitofus & ventricofus eft. Capit inter in exorta fuo anguflius & croffius, vertus os latius & tentijus; in capitis anteriore parte hand extenda led retula, omni rofito carente. Os canqvam in promptu politum eff maximum & patulum - Richis oris in ambitu fuo terriam partem longitudinis gover: funra oris angulunt exoriuntur duo longi proceffus quatuor parvi ex mento fett gula dependent (feperiores quadruplo longiores (une inferioribus). Pinnis fex infructus. Venter brevis, amplus, lateraliter & inferne protuberans &c. Silurus cirris quatuor in mento; Artedi b).
 - 3. Salatas, quen certale Africa, fore, p. 1879, atres mien la mento malete. Lais even came el Silaras he tra Bale, fel Gada relete deprepar fode margo od primar denfi primano; cer certato, secreta. Maleta sulprace Coursel; mello mento for firmano; cer certato, secreta. Maleta sulprace primar denfilar mento di sedi sel finile. Sindelingue gittar, labicat primar denfilar longua; ficundem certam persona dendi certafica; calcum primar denfilar longua; ficundem certam persona dendi certafica; per mo brevera de falcione, alterno mogra, com Salature Putel, labicat unuscen param derfaem canguam nervorum trium, benechebba pienufice es especialem.
- 2. Silheur e feris quamo canofis e liperiori maxilla, canda bifurca. Ichthycoolia & Exos Roudeiti & Reliam, i. the Glew-Fish Anglus. Charlet, de different, pife, p. 4p, paulo lupra finiteum operamentum branchiarumqodam ad egis laxera imperfo foramine perioquaddit Willingh. p. 244; Pifels hie ab Hufone Germanoorum omnino diversus

SILLIBLIS

diverfus eft, quantumisté & Rondelet. & Bellonius candem faciont, Bellonius feribit: quod pinnas in tergore duas ad caudam creches habear, fulo dya retriam videos podici vicinamo; cum tamen Willingbodiei lehtyocollam inter piteos marinos aculeacos, quibus unica an dorib pinna, collocavesti. Acipenfer tuberculis caunica in dorib pinna, collocavesti. Acipenfer tuberculis ca-

9. Shirwas, cirris pluribuss, copite cendlo, retundo: ore amplifimo; an quea plates fais generias moras postumas, fub surroyave, culo cirrus longuas; ante occidos breves; intrabalos mercieris plurres breviasteulis, dubusu primise conticis in dories; avenda furcam vel lunans; corpore cendlo. Regra fecunda ispecias idarganvia affinas, Careby Tom. II. p. 23, 62 in figura.

§. VII. FASCICULUS SECUNDUS

Notabilites roftrati, ore vario.

Sunt pifees branthiis apris, corpore longo, veifus candon satemos, to, vener puis music, attili; queenus vei lagenor vei laferor, vei anba mandibulta in roftes verie figure productmurs, vei qui ordinambana rababilitum o on rubulti exerminae.

A O'e proto, cleans, abrufto oldo.

A. (19 N. R. Acope 11. acoustons; Sturio 4); porcus fluviatris, betpnins fimilis Marcellino, Antiquorum Silarus, Galeus Gelaxias Galeni b. Etops Oudii c.). Hufo. Antiquorus, Artitus, Galeus Rhodius d.) Store Germ.

- a) Q. 26 Strapes, qual relieu pronu puppia colletta speciera getat, strateges sturious numero Gothicam effe atomic
- 6) Galeorum non una species; siam pulta, qri in maximo pretio habetur squal komanos, k gelaxans ocatur, ex genere eff G de rucs Pride 126, 23 e. p. 971. opud antiquo pifetum nobilifilmus labitus Ac prufer quedan gum ki-prem occasio.
 - Et pretiofus Elops nostris incognicus undis Tugre peregrinis Ausgenser nobitis undis.

2

d) Aldrew

Tib.t.

A. Ore prono ACIPENSER

- 4) Albernsechte finestitudinera & diffinistitudinen eum Ozdeir fei deleiber Rollen. von fies, under, terrei ersport, & ermitponitus, que upo finest better, Ozden finale et E-bondule convex diffinition of the conversation of the servation finest, better durch proposation, often feet from the Ozdeir servation finest, better durch first metr. delivera engagnistisme, confillen, compression, esta finalityse, felicitume anganistisme, colline, conversation for finalityse, felicitume anganistisme, establica, conversation fondingse, felicitume, finalitimento total strategiere colores, lean teneren finalitimento delivera finalitimento della strategiere della colores. Justicia della coloresi della servatione della coloresi terrelatione della coloresi proprieta della coloresi proprieta della coloresi servatione. Geoloresi coloresi servatione, Geoloresi proprieta proprieta della coloresi proprieta della coloresi servatione della coloresi proprieta della coloresi proprieta della coloresi servatione della coloresi proprieta della
- 1. Aripuefers cute afterrima; qual teffelata feriebus tuberculorum rigidorum; ad here ar quiede minorum de cipreformium; uniea majorum in dorlo; capite in roftron obtulium producto. Socto affera. Scurlo primas Genénenfis; Oleir Ruffi. Aciponfer, corpore tuberculis fpinosis exafiperato, Arteli. Aciponfer ex Polosia Alienze. Paralip, p. 75. Operula basachiaram offea, u e in annibus, inhatula tunt e) 50 feroma tubuli pratulum, celentulim, cartuglizherum, candidum; aree os questor crirri, cartei, facecidi propordem; dom viblumi interna eceptemieres Explus a capitalis de la contra del contra de la contra del la contra del contra de la contra de la contra de la contra del contra de la contra de la contra del la contra del con
 - e) Ita ut branchas non penitus operiant; vid. Asid. 1. Teb. 121.
 - D Tourshin numere faut quature, doglin entire attainum neu jamme, donnite. Nele tren neutritum quel me mail frait initiale de pile, remon, copite IV. (Emme 12 ag.) time verba ligitature con temperature (E. quature 12 ag.) time verba ligitature con tempe prese ser fluitim regioti, painte in endem hito virabitim en volgate di curi de Zenoralis no peru, per de co, IV. en regiona esta considera no peru, per de co, IV. en regiona esta considera de la presenta de presenta de la presenta del presenta de la presenta de la presenta de la presenta del presenta del

A. Ore prono ACIPENSER

nount autem branchia atriuque quaterna effes aperemente, ton sécus quam fiquamofis psécibus contectés;. Sufficiamen Alderounedem solucionitones féreir motate noluste, de id circo methorem

- Acipenfer , Cute & euberculis lavioribus pracedentis capite gracliloris in acusum rofitrum terminante. Sturio alter Gedan. Silurus Salviaus. Stoer Beslevi. Sturgeon Williaghb. p. 239. Tub. P. 7. p. 3. an Belloege Rufforum?
- 3. Acipanfer, quinque ordinibus offium in acamen retro specans adargentum, qvi corpus longindinaliter percurrant, get fero penagonant reddune; rostro longo, gracili, exerius offe tanquan vagina obducho. Huto Ilirius, Sturio Irmas Marfilli op. Danah. Ton. 1V, p. 37. Tab. II. Seiri Germ. Keltcheke Ungar. vix major carporis molo poudere II. Libararus; an Sertuga Rufforum?
- 4. Acipenfer ex cinerco, flavo & rofaceo varius. Emiffili tubulo carneo & flaccido, retracto, oris apertura transverta apparet, ut in Galeis. Extremitate roller & lamellis branchioflegis ex cinereo, albo & roliceo variegatis; oculis cyaneis, alba iride circumferipris; dorfo fuper XVI maculis latis framinei coloris rotidem denticults leviter afpero; latera habet oblique transverfalibus maculis & anguilis lineata; ventrem figmatibus cinercis & rolleceis fuper albo lucido pi-Chum, pinnas laterales & dorfalem cum cauda cineritias, ante & pone anum rofei coloris. Fametus Sterletus fluminis Wolge. Pilcem diu rogavi; randem, curante Amreo, in liquido, fimul & picturani ipfius, obtiunis quan Tab. 1* 1-6. exhibeo; multum differt ab Acipenfere gtio five Sturione 14. Imo, Stierl, Marfillii, fi conferentur figura. Rariffime duos pedes imperat. Strelet Bruynii voy. Tom. I. Edis. Amft. Fol. p. 93. Tab. 33. & Tom. III. in Quarto, a Royen p. 295; thi Le Strelet y (a Aftracan) a une supe de long & - c'eft le meilleur poisson de toute la Russie; il s'en trouve de deux fortes; mais en general il a offes de rapport à l'éturgeon les Severaches ne different en rien de l'eturgeon, qu'ils nomment Affetrine (forte Oferr) le caviar le sire de Belorges, des Affermes & des Severockes (forte Serjuga).

A. Ore propo

Ore prono ACIPENSER

 Aespenfer ex nigredine fufeus; roftro longo, acutiffimo, furfum tendence; longis dorfi offibus, aduncis & acuminatis. Hufo IV, Sturio II. Marfilli ib. p. 35. Tab. II.

6. Aspenfer, qvingeo ordinibus offinon aculestorum; qvi in docto ett, clavato; cute fechra, furve cinerria, in alvo pallidle ex luteo rubra; ftelluris maculis propria coloris obscurioris; roftro obtunio; Hudo Vus; Anaecus ftellurus Marjilit ibid, p. 37. Tab. XII. & Aldron. Gen. Willighb. Tab. P. 7, 4.— Was Dick (Was februm figuitient). Germ.; Ethier dairs; Jeletra Ungar. Amacuus toberculis ex oldue babbet irifu os. aculatus syavoura de citium rottri chaes ex dulte abbet irifu os.

7. Acipenfer , roftro gracillori & longiori , ad faxtam parrem isse extendionis a dorio offum ordine ferrato; in wentre offibus carens; ad finilizardinem pracedenist ficilizus. Huf to Visus; Antaccus roftratus Margilli ib. p. 37. Tab. XII. qwod Antacco finilis, if or forfum omnimu Hufotum Inongifimum habet; circiter 68. libras pondere non excedit; Schrey Germ. Schreyk Germ. Schreyk Germ. Schreyk Germ.

· Acinenfer . capite complanato . feabro . in roffrum albicans . craffum, prominens & acutum defineute. Hufo I, verus & genuinus Marfilh op. Dan Tom. IV. p. 31 Tab. X. Hulo Gesneri, Aldrov. & Willinghb. p. 243. Tab. P. 7. Saufen German, Wylahal Ung. Moruna Rafcian, Morona, tefle Bellonio. Cypris. Mario Plinti: de ore eius Marfillius hae Os dentibus expers in prona parte (ove plana) adverso fim oculis respondet, hujus rictus efforment due teretes, & fere femicirculares cartilagines - dicha cartilagines one carnis flaccide. & mulculofe in parte plana ligate tenentur. Unde fi hac laxetur, rictus oris decumbit, fi conffringatur, ad planum retrahitur. Pifeis flumina frequentaus omnium maximus; ad mille libras excrefcens. Artilum g) Rondelrtii, Bellonti, Gesneri, Aldrov. Adellonem & Adonem feu Adenam effe, cum Willinghbejo judicamus. Alvus & dorfum plans, hoc tamen nonnthil in acumen affurgic, in quo protuberantiz five tubercula a carrilaginibus efformantur. minimum fecundum figuram Marfilli, duodecini, Cute corporis fat lavi, circa dorium furve cineritia, in alvo albiA. Ore prono

cante. Pinne fex pallide rubent; feptime, que caude eft, bifurenes, cyles cornu (ipperius dimidio intérioro longia. Acipenfer tubrycuifi, careas, Ariodi. Er alba tunica interno novelice naterorise feparates de exticenta fri telhripocolia. J. Haufen Blafe; Haufen Blaters; Haufen Plofen, Angl. — Huyas picis ananomen vida. In Amerilli 10, Danub. Ton. VI.

g) Antida Tandi Yandi de Rana, plft, esp. 197; bit: "emailée falla-diame et (f. ch. aniejesi destriaum fajiß artillam) 156 Station, en amplies, & elligat, lipeate prem & ton fire shares also destina, auto-destina, ut in proseiblem Terraria venetit, et et al. aniem plateste figned area volunt, cas fio addition, et al. aniem plateste figned area volunt, cas fio addition, et al. aniem plateste figned area volunt, cas fio addition, et al. aniem plateste figned area volunt, cas fio addition, et al. aniem plateste figned area volunt, cas fio addition, et al. aniem plateste figned area volunt, cas fio aniem plateste figned

h. Readetrif & Brillenii evollis pilels, five Libripsealle plane divertius pilels ab Acquenter et l. (fipra § 101, nobiles dilement years) germ famen andarien coun Huffers Germanorum & Antezeo (Estruit; cice obilas, quod giuten ex illo pilec paretur; fic colm Rouffinense 8. I.A. Epira. No. 101.

Ex cojus fier, puntis, cauda roringre Coffura gluten, vifeeribusque potell,

Cam de estas pública culta paran perell fit ignoque es folloción glacianto de comunicación asparan conferencia con charles de forma agión aspara. Conferen i mobile moneta. Charles de forma agión aspara. Cambio de la prisona después asparan estas de destas de cuen molt (quen assalarda ortegorica-con de destas de cuen molt (quen assalarda por pulsa estas de construires de la comunicación que pulsa estas por mentre de la comunicación que productiva por la comunicación por pulsa estas de la comunicación de la comunicación por pulsa estas de la comunicación de la comunicación por pulsa estas de la comunicación de la comunicación por pulsa estas de la comunicación de la comunicación por pulsa estas de la comunicación de la comunicación por pulsa estas de la comunicación de la comunicación por pulsa estas de la comunicación de la comunicación por pulsa de la comunicación de la comunicación por la comunicación de la comunicación porte del la comunicación porte de la comunicación porte de la comunic

9. Aepenfer. refino] es ore, a recelhore & magis acuminato, quan presidens; crision augs profiberate & restandiq excretan questioners mischam, cu em lavo, de concretant profiberation and Aepenfere prins fer controller, a temperature to theration at seasons, controller, a feet popularis (expired to the profiberation at seasons). Hinto Haro, American Evis Margillia pog 3 : Tol. X Grant Dos. Granton feet Dugar. Serrebestica [1]. Rojentata y rato na vithali vitas. 3).

1) Rondes

A. Ore prono ACIPENSER.

- 1) Randelein Life, XIP, P. S. 25 ap 7 refetter ent. qui aliaz atque alon pidat pro Sirvidate repurfetturatet, concludir, p. 437 (2): e com Silvino exper ventrum luore, fin, encer chicin, norre Timber and Control literate compressions, mega at moça in cens a Loro Entre and Control literate control description control literate control literate
- 30. Acpenfor probolcide Elephatrino; indicas; Elefant non-mullis titarearius; Peigalios; polifico coq; Demotive; figuram vid. apud Freaer voy. de la mer du Sud Planche XVII. Elephant; a coude de fa rempe; amphorem deferiptionem ultibi non legi; pittem eră iufpedium, hoe loco preremitere volut.

6. VIII.

B. Ore fisto & labrace a), rostro retuso; dentibus horridis.

LATARGUS; λάθμερος, λάθμερος i. e. canis clam vel lacencer mordens; vel, fi mavis, Ichthyolyeus pileis-lupus. Lupus marinus noftras & Schoneveldii Willighb. p. 130. Rat. Syn. Pife p. 40. Seemalf, ein reiffenbes freiges, und ber Bahne halber granfames Thire, Olear. Gott. R. R. p. 49. Tab. XXVII, mut. 2. Bolf Heiligland, Anarhichas vel greggene Genera; Kliefifch halticis populis. In Islandia: Steinbeiffer, Anal. Sea Wolff, Wolf-filh. Anarhichas Arteds. Caput Galco vel Cane majus & megis orbiculare habet, coloris, prout Cynocephalus glaucus, carulei; pellem glabram; mire vorax mordaxque animal est & dentibus suis terribilis. anchoram enim fi prehendit mordicus, fonum edit & firepitum, ac veftigia confpicua relinqvie; nam in acie mandib.:la inferioris dentes acutos & rotundatos, gemino ordine difoofitas, decem habet, hos molares utrinque duodeni, duplicata feric collocati, fequuntur. Superior mandibula fub roftro dentibus duodecim rotundis & acutis munita: reliqua vid. apud Schoneveld. p. 45. Ejus dences molares venditantur pro bifonitis orbiculatis b); prout Cynocephali & Galeerum dentes gloffopetra audiunt. Sane nemo, qvi pilcem vidit. cum Willugbbejo dixerit Angvilliformem.

B. Ore fiffo

- a) Id ell, volle rilln; Adlegat mugai viv Aalegat vous, quis illi biot os le repetue au cum imperu le voracitate elium devotat; unde le vecerum lapus pilita Aalegat, dicitur; vid, Charlet, de diffpilio, sei
- b) Ichilyodoutes feetilita Afali. Toadhones, quos Da. Merrir per mune a Lopo marino. Wolfish Schwerziki detwynti. Similes find dewe milice pelium Sergi, Awaren Dentris, qvi in Inidia Melicudi diwik & wall forpenson Hatestury. vid. Solde sone Spread. pt. 27. 28.4. Dhi. Tenn. Pel. Afa. No. 33, pp. 159. Ref.

. IX.

Mandibula superiore in rostrum notabile excunte, inferiore brevi, triangulari, mucronata.

WIPHIAS. Gladius; Schwerdtfisch; the Swordfish, Anglis, Pesce fpada, Italis; Miles Alberto, qvia gladio munitur. Rostri enfiformis (inqvir Gesuerus) in hoc pisce tam evidens est nota, ut ab eadem in divertis lingvis nomen ci cadem figniticarione lit factum. Secundum Aldrovandi & Salviam figuras non folum Xiphias roftro longiffimo, ancipiti gladio, fed eriam roftro triangulari, ab altera parte cavato (Soliffinae) offendimus; Hannei Xiphas E. N. C. G. Dec. 11. A. VIII. ob suspectam figurom, nee non Xiphia Schelhammeri Cene. L. er II. in app. N. C. G. in fulpenfo relictis; ultimi gladium dentem dixeris pifeis Norwhal. Sie neglechæ figuræ magis confundant, quam explicant, & fapiffime descriptiones vagat nos ambiguos reddunt; e. gr. Willugbbejus p. 161. ferihie; "Pinnam habee in dorfo unicam a juperiore branchia, rum angulo inchostam & ad caudam prope continuam, hace ninitio altiffima eff &c.,, quem & Rajus Syn. Pife. fecurus, aff figura Gladii, quam a Salviano murustam tradit Williaghb, Tab. 1. 27, descripcioni nenciquam responder; qvin Salvamis ipie dicat: "In dorlo pinnas duas gerit, fuperiorem sunsgnam & prope caput, inferiorem exiguam properve caudam ... Qvem vero Willughbejus descriptie pilcem , Guebna eu brafiljenfis eft, divertus à religios Xiphiis, infra No. 5. confer apud Joan. Car. rarior. anim. p. 104. descriptionem Gladii hujus pifets Xiphia.

Tals L.

1. 2.

B. Ore fiffo XIPHIAS

1. Xiphias pinnis quiuque, demta conda lunata; roftro horizontaliter recto, gladio ancipiri angulato fimili ; mandibula inferiori acute conica; Tab. 1. f. 2. Pinnæ branchiales in fineriori angulo branchiarum & propemodum in cranto radicelcunt, corisces, ipeciem crifts vel slarum faciere references, pariter ac dorfalis prima paulo post branchiales; in altum oinnes erecta; ad caudam quares pinna vel dorislis fecunda, humilis, modice interrupta; qvinta ad anum inverte crifte figura. Branchias habet octonas & qvidem duplices, ut recte scribunt Rondeletius & Salvianus, non quadruplices, ut eredidit Gillius. Corium admodum lave, ad instar serici. Os plane edeutulum, non nisi raris, & renuibus spiculis curtis versus gulam, guttur slavescit. Dorsum furvi, pinnæ fufci coloris; ad latera & in pentre en glauco tubelcit; caput & roftrum ex chalybe glaucefcunt; branthis intense rubre; teaming branchiarum offea, parum mobilin, & hinnt. Nares mox ante oculos parent; reliqua in figura; have justa proportione abbreviatam transamplimus ab egregia imagine, quam ad naturalem magnitudinem fe-cit famatus Sannel Niedenthalius Pictor Gedan, de pilco anno 1672. XI. Aug. haud procul ab ore Viffulg in mari capto. que inter alias picturas in conclavi maximo Curia Gedanenfis, quod civici ordinis & judicii censorii dienur, suspensa eft. Pitcis oh extremo rofiri ad exitum medii cauda longus fuir pedes X. Dantifeanos. Hae figura attente confiderata. patebit, Xiphiam mullibi accurate pichum exhiberi; & qvod hic pifeis differat, minimum roffro vel gladio a Xiphia fecundo, qvi feqvitur; nam hune, anno 1736 ad licius Helenfium ab alio fui generis in duello necatum, integrum non vidimus, cuius duntaxat caput, reliquo corpore a Cherloneufibus jam contumpto, justu Illustris & Magnifici Domini Joannis WAHL, Pra-Confulis, tum temp. Helm Adminifiratoris se Prafidis Magnifici Senatus ad manus notiras delatum. Conference figura noftra cum Xiphia Hartmanni N. C. G. Dec. HI S. A. II. in able ove a noftra valde abludir: G. milis pilcis anno 1710 d. 18 Sept, ad portum Pillaviencem caprus, cujus longitudo fuir 99 poll. Gladii 25 poll : bunc venerab. Dominus Schrotenberger, minister verbi divini. Regiomonti in are incidi curavit, cum ampla inferiptione; aft pictura minus exacta eft.

a. Xiphie

B. Ore fiffo XIPHIAS

2. Xiphie caput; dimidio minus pictum Tab. II. f. 1; cranio Tab. II claro; gladio subesvo & convexo, ac declivi; extrema sugladii parte ni duello deperdita, de quo fupra mentionem fecimus. Subflantia gladii eft inter corneam & offeam media. unde colligere heer fastidiofas esse priscorum fabulas; quas Aldrovandus compilavit, Xiphia naturam & mores explicantes p. 129 e). Maxilla inferior nonnihil recurvata. Opercula branchiarum a. b. offea, cum parte cranii denticulis ca. b. c. fili invicem arcte coharent, unde cft, qvod, prout jam monutanus, parum mobilia fine, & perpento hient; fig. 2.6 st inferiorem mandibulam ad naturalem magnitudinem pictam exhiber, us os edentulum & linguam qvali duplicatam ac carnolam, five linguam in concha, cernere liceat, Jam diu abiolino mifu Quarto, VII Nov. an. 1742 juxta littora Nehringa, retibus pro captura alellorum, Pomochlen, expolitis (ad qvz coloni propier implacabile mare per Octidoum appropingvare non potuerunt) implication , emortuum & feetuleatum offenderunt pileatores XIPHIAM, forte a reliquis. omnibus specie diversum. Prout tulit relatio plebecula gentis, pilcis circiter quatuor pedes funt longus, ore tam vafto, ur capur humanum amplecti potuiffet, in cujus extremo cranit infolens tuber, procesium gladiiformem protendens; hune ad radicem ferra folverunt homines, abjecto, ob feeforem infuperabilem, cadavere. Gladium dimidio minorem delineari curavimus, exhibitum Tab. I. F.3.

Quad feeredum Stratemen Euphia roften vulneret, & cx. Albanos good midd non neuron fits, solid durite & macrona existilino mates principal mates principal fits of the strategy of the principal fits fits, solid, solid fits fits, solid, solid fits fits, solid solid fits fits, solid solid fits fits, solid solid fits, solid fits fits, solid fits, solid

3. Miphiet, or migredine albis Zonie veriegatu. Ab omnibus fora face devierfus, & a neuniac autorum vel pictus vel dederiptust, gladio triangulari de muerum vel pictus vel dederiptust, gladio triangulari de muerum vel pictus vel dederiptust pinnis fingularibus infintedire actual curso; ribus pinnis fingularibus infintedire actual curso; ribus pinnis fingularibus infintedire actual curso crisco, lunata; Tab. ITI., Jr. Printa Tab. pinnis Michael Constitution and pinnis Michael Constitution.

B. Ore fiffo XIPHIAS.

sinis in finamo dorito es fex aculeis conflat membrana conpuedis; alteas ventralis fub branchiis ortum trabens, trianpuedis; alteas culcis; teeria colo radiis pol aumi; branchialbies genes culcis; teeria colo radiis pol aumi; branchialbies genes culcis; consiste ventrali culci forme collere hilitions, qui Scaramouse vel pertuculo frome collere hilitions, qui Scaramouse vel pertuculor referens. In mari verius co svitelle capus. Va perculor referens. In acultiva con consistenti del proposition del proposition del file ad vivium pedeus; exerciniarbus a glidio ad caudam usque zquavic pedes X & VIII polices danticanos. Xiphias radifilmus nondum exhibitus 3

- 4) menter Parleta n.p. P.A. Nijola in genere (in zenez dis poten zelle internet). Medici doctorio de presen Dome frome disa accelera, recent me de carbon, recent me de l'internet poten descone, reduci qui perpensi motita influenza, setti in fino accelera descole, guidere victoriume, proprieta primera, uti in illi fiere pictoriu, piloren una expraiserare, qual mente victorium and una evergiera più. Dictorium, figuras pictianis, quan fine tode in "pictoriu", più Dictorium, figuras pictianis, quan fine tode in "pictorium", più Dictorium, quan fine tode in "pictorium", più Dictorium, quan fine tode in "pictorium", più Dictorium, quan fine tode in "pictorium", più più più melhorium comercia, di ci describum della più più melhorium controlium di più più melhorium di più più melhorium di più mello d
- 4 Xiphras gladio excavato in conum acutum producto (qvali bobl @tolifting) pinnus, ni fallat imago, itex, Sabnana & Willingboji e) iperem pinnis Albavandi; ventre argenteo, tergo ex cineraceo nigricante; ore, prout fuperiores tres, edentulo f.).
 - e) Generus Salvani figuram eleganoffinam voest; neftio, qva fiducius, qvod nunqvam viderat Xiplitam Generus; valde daixiamus; ge iumam pifels effe formam, gvam exhibet saivumus.
 - f., Rarchelinus (Reli Mighan, in portu Hafinenii capir invente dentes în priato interiori medio, gulun verfus, fingulates, acontrante affiavis, utringre tra neilines, intrum drimnus, quod oullam figuram decletie, vis, duce, aco., d. l., p. 20.
- Xiphias lota, longaqve per integrum dorfum pinna; in ventre duobus becilit formibus corporibus nigris, dutis plane ut os lepite; or edenualo. Guebucu Brafil. Mangaravi Xiphia affanis; Luftanns: Bicuda Wellaghb, p. 163, Tab. 9.

B. Ore fiffo

7.7.f. 1. capite porcino, roftro acuto, offeo, duro; partis fuperioris longitudine 16 digit. inferioris vero decem digit. conf. Append. ad Willingsh. p. 5. Tab. 5. n & de &ee Snips beccaffe de la mera præter baudam, ab illo diversam, eft iddem piles Gruebucu.

 Xii bi., roftro fuperiore enfi falcato fimili; acus minor Beltout p. 164. Williaghb. Tab. P. 2. f. r.

Notandum. Habet Artedus Goregonum maxilla firperiore longiore, conica, quem albulis & Thymallis affociavit; qvi Ogiore Rondeletis & aliorum; Williagben D. 187. Tab. N. 1. f. 3. Si verum off, hune pifeem habere tres pinnas dorfales, non erit hujus loci; audiamos Rondelessum de Psfc. Parte altera p. 195: Sunt in maximo Cafpia lacu Oxyrinchi. ab acumine rollri nuncupati, magnitudine offo cubitorum. Eos Calpii captos diffrahunt & maria conditos atave exliceatos vendunt, fimul etiam adipe cetracho, tarinas ex eis conficiunt &c. - Alius oft Nill alamone. - Alius maris ruher. — Alius Oxyrinchus dictus Autwerprie crebro cernitur, & Haurin appellatur, Pinnas in dorfo tres habet, ingquali ipatio a le diffantes; totidem in ventre haber quot barbus; figura & Rondelessi & Willingbbejs tres dorfales exhibent, licet Willighbeins non nift duarom dorlalium mentionent faciat; hic eff Goregonus Artedi. Ambigui, ad quan chillem oxyrinchus referendas fie, qvod pitcem talem nunquam vidimus, nec de figura Williaghbeji certiores facti, fuspenfus maneat, ob incertam, ut audivinus, oxyrincho-

6. x.

Mandibula inferiori ultra superiorem producta.

MASTACCEMBELUS; a masse mandibula, & 64.00., fagura vel halta militis; rodro in lagitam excurae; & integran piemen tervem expire ordrario non intepre haltam militiem diseris, unde antiorna flesse mulit, f. verus, emm non inepre pilicis a rodro cuil formi Xiphina vel Gladini vocatur.

Massacembelus, mandibulis longissimis, tenunbus, acutissime denticularis, qvarum ramen inferior antecedit superiorem.

 3
 Artic

Tib.

B. Ore fille

MASTACCEMBELUS.

Action, section vulgaria C Oppiani, Aldren Lib. I. con. 23: Redev Satistatis 2 edileses 6. mono careas, the Honfilh or Garifak Willinghb. p. 33: Tab. P. 2. f. s. pholon, Actus Actuentia Salowari, bol. 6. Bikov. a vofro cumpledo, gracili, labbereti 6 fpithamuli, Artell (Bub codem ordine cum Lateria), songue, seurer qwodamundo feffili, and proceedils, longue, seurer qwodamundo feffili, prinsi fext duacedils, longue, seurer qwodamundo feffili, prinsi fext duabus branchialishs, coriden ventralbus ante auma; qwirar pone forenen exerceroium amplum; cui opponium luper Tillinger longue plansa fextos; escuratam figuriar vid. Tab.

 Maflaccembelus corpore tereti, maculofo, qvod linea viridis media fecundum longirudinem dividit; inferiori mandibula in fpiculum longum producta; Elefants-noufe; Withighb. app. b. 4. Tab. 6. f. 4.

 Maflaccembelus mandibula fuperiori brovi circinata, inferiore in roffrum vel decies longius producta. Acus Dn. Hans Sloane Hifl, Jam. II. 283. Hujus caput vid. in app. Willingbb. & Tab. P. S. f. 3.

a) Vid, 5ch. feq. in notis.

§. XI.

Utraque mandibula æqualiter rostratus.

PSALISOSTOMUS; roftro forcipato longo; φαλ);, forceps & Στίμα, os. Ore denriculato; ε finalitudine forcipis, quo Chirurgi unutur in altis vulnerubus, roftrum forcipatum dicitur.

1. Pfalifollomus, omnium unaximus, ad tres pedes exerefeens; fayamis offeis quadratulis, obliquis, opus quali foliaceum pulchrum contituens; a dorio ad meduum venerum viridis, ventre pallidor tubro; fax pinusi sinfructus: duabus intera-libus, in venere de ad ount unica; qvinta candar proxima; cui oppolita afi fexta; cauda ovali. [Acus maxima, fayamoña, viridis st the Green Gar-fash; Carety Tum. I. P. a.;

2. Pfalifolomus; ad priorem proxime accedens; an idem? Acus maxima (qvamola Lufters Willinghb. app. p. 22. Tab. P. 8. f. 2. B. Ore fiffo

DOAL HOOCTOLSTS

laderior mandibula Liftero ad fex digitos longa, fuperior paulo longor viba fed force, quod op ficem ficentum labuit Lifterus, inferior mandibula paulo bereora apparule, cum apud Caterbejum ambre equaliter in roftrum execum, imo ne in figura Wilmelbright differenta notabilis mandibulorum fib ocubos ventu. Elox a) maxilla fuperiore longiore, cauda quadrano, Artech.

- a) Base service all, ups membran brendinings, quasarchedin office parameters could use, princip membrane come dendi serdi casasis. § 2 sho, retine plajediero y/f. Lestion dendi serdi casasis. § 2 sho, retine plajediero y/f. Lestion dendi serdi casasis service con la casasis and prima transcribe con la casasis con prima de como (1) que d'arrent 1. delivor que s'a service propues de como (2) que d'arrent 1. delivor que s'a service propues de como (2) que d'arrent 1. delivor que s'a service propues de como (2) que d'arrent 1. delivor que s'alterna para delivor que s'a service propues de como (2) que d'arrent 1. delivor que product de como (2) que delivor que s'alterna pado en delivor que s'a como como (2) que s'alterna pado en delivor que con el como (2) que s'alterna pado en delivor que con el como (2) que d'arrent 1. delivor que s'alterna que la como delivor que con el como encode, que a libral, reduit se legan que a la sila, reduit se la sila del sila della seguita del sila della seguita della seguit
- 3. Pfalifosomus ventre de cauda purpureis. Nacdelnish; Acus priteis Williabberi app. p. 2. Tab. 3. f. 2. ibi pag. 2. ab acu postree nou vedeo, quid differat, sufi ventris de caudæ colore purpureo.
- Pfalifellomus quadripennis; unica post anum longa, cui brevior opposita in extremo dorio; duabus interalibus; Acus Gesners, qvi figuram venetus accepit. Aldron. pag. 108.

9. XII.

C. Ore in roftri tubulofi extremitate.

SOLENOSTOMUS; a Sault, mbus & Explos os. Capar coftum prote in trablofium; con quod no dixeris cum Arteio, condusare, commolife errores, in acculare prefumas naturancommolife errores, considered are prefuman super, vetgiamm, influctum operate influence in the profurium arcohara et alcabada para fineriori adatos, prod pris fum arcohara et alcabada para fineriori adatos, prod furium arcohara et alcabada para fineriori adatos, profurium arcohara et alcabada para fineriori adatos, profurium arcohara et alcabada para fineriori adatos, profurium arcohara et alcabada para fineriori adatos, proC. Ore in roffri tubulofi extremitate

eransverfum fed in altitudinem dehifelt. Extremum itaque oris firm & operculaum officia mandibularum pilel perlant. Operculabranehistrum finet consiffirme lamella membraanees; pinne laterales in nonanillis pre centuatee vie experimente, quad & reduyer pannula tenues film a). Cauda in quibus-dam apennis & ceres, in plerisque pinnaer, in unico, qui fequitur, fijan en el flerara i lupra caudam.

- a) Vide tamen Otorii Gottoeff, Aunfr. Azmmer Tol. 1911. f., v. di & optroid brazitation & effe branchir can panu lutrailors di funche & ceptier liste. Se experience men. 2- Meji 111. § 2019, branchii occulur & stetenfoners, branchis aperis, in necrode paulicians, queterra anchemos sie negli inship carreminete. Selmifensi luboni branchia quaternas, Vul. dilevo. p. 104.
- 1. Subroffamus y roffro trientem torius pifeis grounte; pifec vir quanor digino longo. Scolopas Rondel Adva. Granzi. Tromberta i. c. tubi Genurus Sodera t. c. foli diras, di mittata culeis binti loco pinnarum ventralium & tolitario nei mante di pinnarum ventralium & tolitario nei administrativa del pinnarum ventralium de tolitario nei administrativa di pinnarum simitanenna habet in binos offens velus denirellos (figitas. Retro anum pinna elf); in dorfo duz, fin inquistares; amerior; ponus pinna, inferius ferrata, mobilis. Reliqua apud Willighb. p. 16. Tab. 3. z.g.; 2. d. Randiet.
- 2. Salendjømus s in medlo corpore hexagonus; 2 podice ad pinam userç quadratus; extrais pinias ab branchias, alia in medlo dorfi, vis confpicuis, nili in aqva moveaur pificiss i lerpentum more integriur corio polefore celaro & duro. Acus iccunda species Rendera, Officeri. Typhle b five Typhitus entisporum Bellon's Cecili Strateril, Gesdici, prour reliqui. Syngmathus corpore medio Hexagono, cauda pinnat, Artecth.
- b) De hos nombre vol Willaghb. p. 115.
 g. Solenoflomus, a capite ad caudam heptagonus, przecedenti major; acus Ariflot. [pecies altera major, Willaghb. p. 159, Syuguathus corpore medio heptagono, cauda prinara. Ar

C. Ore in roftri tubulofi extremitate.

zedi , qwi observavit qvadrangularem ab ano ad caudam; Willughbejus autem, quod sit ab ano ad sinem pinnæ dorsalis pennagomus; infra ad caudæ pinnam usque qvadratus c).

- Salembants, Cute glabn coloris hepasici, maculis caruleis, ayes interculou virideliennes; infrais albedens; capre a faz brancharum ad rofte extremum unius pedis & unus polities; lore edeurulo. Petibando Brajo, Marcgaradi. Third presentation of the Petibando Brajo, Marcgaradi. Third presentation of the Willington, extra cunda apunia. Alunn Lifler via cet offer cerulo, offer, augusto 25, 25. Acum Britis est offer cerulo, offer, augusto 25, 25, 25. Acum Britis est offer cerulo, offer, augusto 25, 25. Acum Britis est offer cerulo, offer, augusto 25, 25. Acum Britis est offer cerulo, offer, augusto 25, 25. Acum Britis est offer cerulo, offer, augusto 25, 25. Acum Britis est offer cerulo, offer, augusto 25, 25. Acum Britis est offer cerulo 25,
- 5. Salrealfonnus coloris fufei, pinnis dorialibus rribus, quibus exacte refondene waturaler rese, cauda do rutuu turinque cus longo. Cus longo. Alter Parimbando cus longo. Alter Parimbando, alter Parimbando, fue Tabaco pipe fish Carerboi. Tem. II. p. r.y. Jamaicon, the Tabaco pipe fish Carerboi.
- 6. Oslonfomus: India orientalis, corpore faxangulari, cranio elato 6 secundiz orientalis, corpore ex quadratulis fimplicibus composito, ed tamenta pinatus; retta in medio fere derio pina uncuali, squara brevi, illi opposita in venere feffilis cauda in seutra retrainance. Tach TV-Ft.
- 7. Solenofemus: unica longa pinna in dorfo; fexangularis; cauda longa in exitu pinnata; corpore denticulato. Acus made

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C. Ore in roftri tubulofi extremitate SOLENOSTOMUS.

ring amboinents undique foinofa. Ruylchii Thef. Anim. t. Tah. H. fig. II.

& Colonellamus: indicus, productioni roftro avam fevens, corpore quadratulis denticularis afpero; ad branchias pinnatus; Tab. caterum apennis. Tab. IV. fig. 2. IV. E+.

o. Solenoflomus indicus, gracilis; dorfo viridefcente; tripinnis; ad branchias duabus pinnis, terrin triangulari in dorfi extremo. cauda tereti apinni. Tab. IV. f. 3 € 30

10. Solenoflomus; avaccor pinnis, prater caudam falcatam; ad branchias duabus, rereia triangulari in dorfo, quarta poft.

33. Salenostomus brevis; corpore ventricolo; capire caudaque falcatis, gracilibus; qvinqve pinnis donatus; duabus branchialibus; tertia dorfali intermedia quartam & quintam ventralium, ante & pone foramen exerctorium. Tab. IV. f. s.

12 Solenoflomus maris baltici; fufcus; transverfalibus lineis alhis infectiones mentiontibus; ventricolus; nost branchiales unica pinna dorfali, humili, inftructus; cauda tereti, apings, Tab. V. f. t. a. pronus; f. b. femifupinus; venero fellili, qualis in omnibus apparer.

12. Solenoflomus maris baltici, ex fufco variegatus, angulofus; medio ventre verfus candam feffili, verfus caput teres; pinna præter branchiales unica in medio dorfi fupra anum, unciali & humili; cauda gracili in pinnam plumofam definente. Tab. V. f. 2. a. pronus; f. b. femilipinus.

14. Solenoftomus angulofus; gracilior precedenti; pinna in medio dorfi unciali. fub qva in venere immamentum vel apophylis pinnæformis ex tenuiffimis quafi pilis conflara; in exitu cauda pinnula velur floiculofa, vel ad inflar papaveris capituli; maris baltici. Tab. V. f. 3.

15. Solenoflomus maris baltici, gracilis, variegatus, rofiro brevi; ad branchias pinnatus, que pinne non mili in fluido distincte apparent; in dorfo caudam versus pinna satis longa & deerefeente inftructus; cauda apinui. Tab. V.f. q.

C. Ore in roffri tubulofi extremitate

16. Solenoftomus lumbrici formis noftras, tenuiffimus, longiffimust prater pinnulas branchiales oculo armato detegendas, reliquis caret omnino; ex mari baltico, juxta littora Gorhlandica cum praecedentibus. Tab. V.f. s.

17. Solenoftomus, maris baltici; cauda a ventre interpolata, ad cuius ortum unica pinna dorfalis; fub mento apophyfis acura. Ovorres juxta littus Helenfium apparer, certifimum prajagium fert, impetuofam imminere temperlatem: unde eft. gvod Helenfibus audiat Chamfish , i. c. pifcis procellam præfagiens.

19 Solenoftonnus I. acus lumbrici formis, aut ferpenninus; acui Ariflotelis congener piteiculus, pueris Cornubrentibus: Sea-Adder i. c. vipera marina dictus, Williaghb. p. 160; magnirudine penna corvina, raro anferina. Syngnathus teres, pinnis pectoralibus caudaque carens, Artedi; an idem cum Solenoftomo 1510. Tab. V. f. 4.

10. Solenoftonnus ex mari vegenabili vel viridi, batavis: Croffee; hadit coloris; albis lincis transversalibus variegatus; ventre brevi, feffili, triangulari; pofteriori corpore teretis prater pinnas laterales ad anum, ubi definit venter, imitamentum pinnulæ, diametraliter fere oppolitum initio pinnæ dorfalis laus longa & elevara, ac ex albo & fusco picha; cauda pinna fimili modo variegara; ab amico Klitzvicio ex înd's reduce. Baravis. Kourebandje; Germ. Sofen ober Teb. VI. f. r.

20. Solenoflomus; minor przeedenti; five varietas; gracilis; bada coloris; brunnis lineis transverfalibus diffunctus, ubi pinna dorialis cum vantre definit; ad anum in prona parte pinnula imitementum. Caudo punnas. Tab. VI. f. 2.

21. Solenoflourus, minor & gracilior vigefimo. Imicamentum punnz medio pinnæ dorfalis oppolitum; cauda pinnata.

22. Solenoflomus camium minimus, gracillimus; differt a reliqvis, qvod præter pinnam dorfalem habet & ventralem longiorem, variegatam, quali verrucolam; cauda pinnata. Tab. VI. f. 4, d)

di Adiesta

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C. Ore in roffri tubulofi extremitate SOLENOSTOMUS.

VLCs.

- d) Adjelha ell in lut. Zad. P.L. figures rea gilicicafi, externs lince fic cre quodammatich Ammaniyadi Generar im parcipione, p. p. ficilità, prima tance in il ilo deverti. Se quedi literes i, he quedi megarites, lite laterital colorit; cit espe tandeen fon loco. Biolium injuncation, au differenta superse unter piètes, eyevenn cape excusione, in cujus epice as suggiffum, locorfilium amedidation, especialista, Se citat faminghame, groum quar explema paraeste padadafame, operated impatri in cuito entida inflireditum. Ellisque finicalesque of cerum foundementament une culture.
- 23. Solenoflomus præter unicam pinnam in dorfo & caudam pinnatam, reliquis carcus; pifeis fextus vel acus Salofam fol.

6. XIII.

D. Capite & cauda roftratus

AMPHISILEN. Notum eft, inter Angues dari, qvi vocantur AmphisMenta L. e. qvi antrorfum & retrorium ferpunt, farisqve perperant
geninum caput, feilicet ante & pone habere dicuntur. Ad evi-

andam confisionen cum Angue, AMPHISILENEM (qvo nomino Alberus utiner) vocamius pileme nepire roftarto, polteriore corporis pare in caudam rofitiformem reclum, unco aculeo in fine donatem, escuence; fice pitelculus lavro vulgari ance depone rofitatus effi non atte & pone nataus (prout Amphisbenta, ferpens) confiderari protefi.

Infum Pifeen non vidi, figuram eju: Tab. VI.f.f.c. a pie defuncto Dommo Linekio Lipfienti nactus; Cujus deretletă vidiu benevole individuum in liqvido e Multo Linekiano cum amicisfimo Dn. L. M. D. communicava; qvi in geariam briforiz operam lum præfitie; ut curarius prifeciulum nobis deferibere tieucrit.

Pilciculus in naturali magnitudine delineatus corpus habet companatum, in medio a. Inis pellucidum, ex arganeto luca-feuxà, & thi icon umbratita apparet, ad fufcum colorem vergenes i abril lecime convexo; castis carvicti; in svicina operatula brancharum, ex duplici lamello offer di, continua membrana fuperinducta; c. est transpurens surfatus; pintuan kaeralam d. diregness, faits a lamello branchassega dilutanca, un in internaturali delirance delirance

D. Capite & cauda roftratus

canedine vifcera, obfcurius gvidem, transluceant. Roffmm capiris. A fillium, fuperiori maxilla, in exitu avidem tenui. (fi nulla in pifciculo ibidem lafio intercefferit) roftrum porcelli mentions. Pone, ubi cauda pilorbus effe foler, in linea recta cum roftro capitis, huic fimile roftrum (ex k) protenditur fpurium, in aculeum aduneum, mediante articulatione B, exiens. Ex a ad & Jamella rentils, pellucida, in margine finuara, extenditur: qvz denfioribus, argentei coloris diffingitur firis. qvaft fbinulz effent, membranz duplicatura comprehenfa, nec tamen elevate utrinqve, modo juxta ventrem ampliores, deferiper. verfus acrem lamellæ in culpides decrefcentes; ex medio hujus aciei vel marginis undulari dependent velue ex bulbulo e, feta circiter ofto vel decem, argenrei coloris; litera f. g. b. indigitant punnulas argenteas, que primo intuita fetulæ diferere vifæ, accuratius vero confiderate membranis fibr invicem juncte; ad literam i. lamelle (a. B.) ultimus finus, non pinna, eft. Ad mediam pinnulam g. incurvate frine dorfi continuacio k. translucet; ideoqve vel ante vel pone hanc pinnulam anus, qui accurare diftingui neqvit. In interfficis membranz arcuaris & ventralibus ovula per puncha fulca transparene. Estamodi pifetum forse plures dantur species, bue usque vel neglecte vel un cognita.

Superfunt alii pifees infolentes, nobis noti, qvod infolenter funt roftrati 3 hos vero tanqvam natantia spectra suis resinqvimus autoribus, usqwe dum aliqvando excantata ad propria rediernt diverricule.

§. XIV.

FASCICULUS TERTIUS

Notabiliter plani & oculati.

Sunt pifees graft comprelli, wan hoea, qui fere aqualie habent latera, five fine proat five fuprii projechi; de peripetra; ke, circum circu
corpus pierumque pinuata kabentes. Horumanili veli undarun Intere,
velarrangue seulati. Illorum alii in destre latero, feu, ut cloquitut
Willingsbeigt, a finistra ori parre, alii in finistro barre, feu
dextra oris parte oculaci. A destro latere duo genera, a finistro

oculatorum unicum a); omnes non folum externa figura, fed

Adexte hatee fint I. SOLEA, Sepaieres Farroni & Theophrofie, unter declaratina binguis ministidine Linguis vel Linguison. Inter Hopleuros principatum obtineus; quepropier Gallit, perdix travilos Bartais. Tong, Seoperies; Soles a Gil pedis figura prifits. Sie cum apud Planton Sciliander, portura de la pedis pedis figura prifits. Sie cum apud Planton Sciliander, portura de la pedis p

 PASSER, qvi in longum latus, its ut corpus attenuatum in pinnas aculeatas, fed inermes, exeat, qva in medio angulum efformant, ut corpus oblique qvadratum videatur.

A finifire latere oculatus eli RHOMBUS b), figurum rhomboidalem deferibans, finyidem laten fare agvalia, anguli autem inaquales; denie cungis lato de couracto, quam producto, Raiss apud Willinghb, p. 2s. dillinguis pilees in latus projectos, vulgo planos ipunolos, in quadratos, ut Robumbur de Palferem, vel longivaculos, ut Schemm. Solta de Palfer linea sa acreales erchas. Robumbur vido acreatam habener.

Ubi needlins non efflegiat, newir conditis nominibus Airpus Greeo's Luttura (reformare nolumus e) nominarye propria, apud Romanos jure civico donara, defruere, ĉe peregras aliquado cum rebus via condilianda vocabula introduce. Te. Retiuebimus SOLEAS, PASSERIS, RHOMBOS. Lice. Retiuebimus SOLEAS, PASSERIS, RHOMBOS. Lice.

Arredus omnes non incongrue Fleuroneclas vocitaverit; 8 # n/e ge live n/spe leuts, & worde, natator. Notandum infuper, quod audiue x manitum grega numa capti a dece virium habest, quan mataliiter plant U culatis, live in alterturo five in utroque latere cuolos ferant, & quod in illis, quibus oculi fiust in altere latere, anii exitus non an margino, verum in alterturo latere ad marginon provints.

- b) A goulot, roll, commus dellus, gram Grace Párfeis appellant; confer. Aldrov. & Cantus Ferins de Roembes.
- c' Hae trahi potell effetum Dai Graffing für les Rerevilles Mem. de l'acad. 17 cm. p. 1997 pour teaffer la phylique floriflante, ee n' ell pas allés. de Ere de moneties l'ecouveries; il ell encore important, il empechera que les anocemen ne le perdent.

A. In dextro latere oculatus.

L SOLEA .

Delenia figuration minute. Bugloffits feux Solar Rondel Gener.
Solar Phys. Bellouis, Allenia Linguinas de Pennis & Plantes Go.
G. Anglis, Sol. Williaghb p. no. Tarpania & Plantes Go.
G. Anglis, Sol. Williaghb p. no. Tarpania Capture desirate Solar perpersan pich, coalis in Buildra pares, acrepted desirate, cunt namen autor edentulum feriplit. Pleurone-det oblonguis a) maxilla imperiore longuere, Gyamus intrinque alperts, drzedi. Bugloffus & Solca autorina. Tun-za Netozi.

a). Omnes

1.2.

A. In dextro latere oculatus. I. SOLEA.

a) Omnes Solese funt corpore oblongo; altero fatere albo, pinos estcum circa extentia, pullum tamen angulum formantibus, branc sas confleichte. Negve here forcies aforra favamis eff.

22-2-19

- a Salea tota lavis; vera ac genuina Lingulaca. Tonge Batapres; prices delicandus; parce dexern, in qua oculi, fe fea-Tab II f. 3. German, Zange. Danis, Tuaspleder; edentula. An Arnogloffus, ovem vocat Rondeletius? Sive Bagloffus igvis, gyem multas gyidem Jouannas teauffilmas ted farm decidus habere dicit? an eadem cum præcedenti? vid. Aldrov. B. 225.
- 2. Salea, maculis rotundis, oculos referentibus. Solea oculata Rondel. Willughb. p. 100. Tab. F. 8. f. 4. Pegouic Maffil. a founmarum tenacinate ut arbitratur Rondeler.; Edentula.
- 4. Solea, ore peramplo, squamata & dentata. Linguatula Rome.
 Pola Bellonii. Williaghb. p. 104. Pleuronectes oculis a dexera, ano ad latus finittrum dentibus acutis, Artedi b).

b) Omnes, qui in dextro latere oculati, ani exitum habent in fieillro,

- s. Solea parva; dodrantalem magnitudinem nungvam excedens; linea corpus dirimente ex iquamis majoribus illis, qvz in reliquo corpore, conflata. Lingula Rondeletti, Gemeri, Williaghb. p. 102. Tab. F. S. f. t. Ocult male ad finistrom larus politi funt; infuper pilcis monoculus pictus.
- 6. Solea, fauamis rhomboidalibus magnis, lingua foluta; dentibus ferratis. Citharus Rondelet. Folio, Rome fatis frequens.
- 7. Solea fusca, semicirculis cyaneis, quorum extremiteres sibi invicem oppositz figura circuli interrupti; punctis quoque evapeis eleganter picta; Ipinis pinnarum validis; Solea lunata de punctata, Catesbeil P. II. p. 27.
- R. Solea favamis in dextro latere grifeis, parvis. Aramaca Brafil. Linguada & vulgo Cubricunta Lufitan. Marcgravis p. 181. Willighb. Tab. F. 8. f. 6.

II. PASSER. Caput productius habet, quam Solea & Rhombus (S. XIV.) z. Paller A. In dextro latere oculatus.

- H. PASSLA 1. Paffer, cure denfis tuberculis five puffulis scabra; in dextro farere & in pinnis maculis flavefeequibus notatus. Noftraeibus firicte: Flunder. Passer Bellon, Pluge Gallis; a Platic Angl. Quadratulus Rondeler. Platefia Aufonir (Plateifs vid. num. 5.) Prons parte, ubi oculi, fulca, maculis rotundis ex fiavo miniatis picta, qvibus ex pinna alperguntur; latus fipinum album, carne in laminas undulatas disposita, iquamis exiguis, cuti tenaciter inherentibus; Williamb p 96. Tab. F. 3. a) Rhombus lavis marinus Seboneveldi. Pleuronectes oculis a dextris; linea larerali afpera; funulis iupine ad radices pinnarum, dentibus obtufis, Artedi. Accuratom figuram tradimus in Tab. VII. f. 13 varietatem Tab. in Tab. II. f. 4.
 - a) An idem. guem vidit Willinght, p. 98, inter paffères fluviatifes? co- fi 4. fore of vacco, que manulas flavicantes com in corpore rum in plaens ambiennibus habebat - Apud Gedanenies multus paffer flu-VIXUUS CIL.
 - 2. Paffer quatuor cubitos longus; unde dicitur Hippogloffus i.e. Bugloffus maximus, Rondel Gener. Aldrev. Holibus Anglis meridion., & feptentr. Turbot b). Suecis Haly-flundra. Pleuronectes oculis a dextris, torus glaber, Artedi.
 - b) Turbot, qui Tretbot Gedauenf., Rhombis accenfendus, quod oculos habet in fimilia parte.
 - 2. Paffèr fordidi coloris; interdum fufcus vel marmoratus lieuris obicarioribus; pro varietate pafferis primi agnofeimus hune pifeem, maculis flavicantibus Tab. VII. f. 7. a caren. Tab. tem. Flez vel Flefus Belloni. Pafferis tertia species Ronde-VII. t. letti, Gesneri; a Flounder or Flicke Willight. p. 98. Tab. a. F. c. Scharden Species Schonep.
 - 4. Paffer afper five squamofus Roudelet. Pafferi primo fonamis congener, fed maculis carens; Gallis: Limande. Anglis: a Dab, Willingbb. p. 98. Tab. F. 5. videtur altera varietas pofferis primi. Greete five Kleische, Schoneveld, Pleuronecles, ocalis a dextra, Iquamis afperts, fpina ad anum, demibus
 - 5. Paffer, in dextra squamis valde exiguis, albicens, a finistra albuffimus

T. VIL.

f. g.

A. In dextro latere oculatus,

IL PASSER albiffimus, laviffimus. Noftratibus; Blatteus; Plateifs; Placevien, ab inftrumento five theea orichalcea, cui immittitur ferrum candens, ad plananda lintea ornatus muliebris; Tab. VII. f. 2. An , Struffbutte, Platen , Schoneveldir? Rhombus non aculeatus, fiquamofus; Lug-aleaf Cornub. Williaghb. pag. or, Tab. F. I. Hunc Artedus force acconfendum putat pleuronectidi oculis a finifira; corpore glabro; verum fecundum Willight, hate pifei oculi funt in dextro latere, ad finistram oris lici; ideonye paffer non Rhombus eft. Apud nos frequentifilmus,

6. Paffer, ex obscure cinereo marmoratus in dextro latere hinc inde maculis leviter flavicantibus; in altero latere albicante magis flavis: mandibulam inferiorem duplo longiorem habens superiori, sicque os resimum; Nostrat. Scholle; an, paffer ex rubello colore obicure cineritius Schoneveldi; vid. Tab. VII. f. 3.

7. Paffer lineis transversis notatus; The Flounder Dni. Hans Steam It. Jamaic. vol. II. p. 277. Tab. 246, corpore albo, lineis 6 vel 7 nigris transverfis, longitudinalem lineam fecantibus; vid. Raji Syn. Pift. p. 157. a Sole of Brafile, of an Anonymus Partural and Purchas Lib. 7. cap. 1.

2. Paller . oculis protuberantibus & fere fibi contiguis, intercedente ore angusto; lævis, maculis nigris; Cornubientis; Raj. Syn. p. 162. Putat autor Rhombum effe, cum revera

paffer lit. A Kitt Cornub. vid. ibid. f. 1.

p. Paffer alter, cute dura & afpera; oris magno histu; a Whief Cornub. Raj. ib. p. 163. fig. 2. Coloris fordide cinerei, circulis & quadratis per puncta pictis.

6. XVIL

B. In Sipiffro latere oculatus.

1. Rhombus sculeatus, nigricans, maculis obseuris suscis in prona parte; in altero latere ex olivaceo & albo carule(cens; reliapinatus pictus Tab. VIII. f. 1. pronus projectus Tab IX. f. I. Rhombus aculeatus Rondeletii Gesn. Aldros. Rhombo Venes. Picuronectes oculis a finistra, linea arcrali B. In finifire latere oculatus

in finistra parte tantum aculeata. Artedia vide tamen figuras nostras. Willinghb. p. 93. Tab. F. 8. f. 3. Stembutt, Treenbut Schonev. p. 60. Dantsfeanis Stembotte.

2. Rhombus cineritius, aculeis afperrimus, inferiori mandibula inperiorem, qua dimidium fere, excedente, pinnis & cauda T.vin

fulcis maculis variegatis. Tab. VIII. F. 2.

FASCICULUS TERTIUS.

2. Rhombus maximus, colore profunde cineritio fuper flavo varicentus; dextro latere, gvod Rhombo jupinum eft. albus, & maculis quafi dendrincis pictus. Rhombus after. movimus, non ilivamofus; Anal, merid, a Turbot; Septent, a Bret; Williaghb. p. 94. Ral. Syn. p. 31. Gedan. Theer-Tyun bort: Tab. VIII. f. 3. 4. pronus & fupinus. Pleuronectes ocults a finistra, corpore aspero? Rhombus fouamosius 1.3.4-Charlet. p. 145. Artedi.

A. Reambus o unium minimus, palma longitudine. Rhomboides Konte dus Gem. W that bb. p. of. Tab. F. S. f. 2. Rigifche Botten, qui ficcati Gedanum comportantur,

6. XVIII. C. Utringve oculatus. Pifces plani & utringve oculati figura vel ad Rhombos vel ad Pafferes, vel ad Soleas accedunt : corpore quali compresso. & circum circa plus minus cultellaro; pinnis caudaque varis; ano, relpectu corporis attenuati, magis minusve capiti proximi. Audiunt nobis L RHOMBO-TIDES a). II. TETRAGONOPTRUS, b). III. PLA-TIGLOSSUS, c).

- a) A jou Garag, Rhombi figurom habens : ne dicamus Rhombeilles, good vocabulum cam Arredo topre feramus. Ovndfi vero ned Themsoridem telerandom jubeor, nobsessin utaru nomine EURO-PI, qual Gracis eft Euparaus affeithe tarnes vel ubs neutrom arreferit, gerd obffares quo minus dixeris PSETTAM quod ejos Antefiguratus proprio nomine nobis latino audit i RHOMBUS? warforeders rus igfore, pifces, qui specie funt Rhombondali. Buch sties a capue ad caudam corporis para dorfilis notabiliter agcusts proue in Rhembe & amplior apparet ventrali corporis parte.
- b. Tereupototreos, i. c. quadratus affellus

c, nharophwijos, i chingua lata. 0.2

6. XIX.

6. XIX.

C. Urringue oculorus I. RHOMBOTIDES vel, fi mavis, EUROPUS: PSETTA

1. Rhombotides, obscure caruleus; pinnis coudaque lunata intenfe caruleis cyaneis; ore fingulari, parvo, edenrolo; ad ortum cauda hobet urringve seuleum mobilem; Catesbejt Tom. II. p. 20, Turdus rhomboidalis: vide infra Platialof-

2. Rhombotides viridis plittaci coloris; pinnis branchialibus. gutturali & cauda aurantiis; dorfali & ventrali latis, falciformibus, ad medium usque cyaneis; caterum aurantiis; anre pinnas in dorio & ventre aculei tres. An Acarauna major pinnis cornutis Maregravis? the Angelfith? Catesbeji Tom. II. p. 31.

q. Rhomborides; in argricante corpore squamis flavis quasi lunulatis. Paru Brafil Marcgravus Willinghb. p 217. Tab. O. t. n. 2. Chatodon niger, maculis flavis lunulatis varius, Ar-

4. Rhombotides ventre fubcarulco; corpore maculis fufcis vario; vix fpithamum longus & larus, Willingbb. append. p. 2. Tab. 7. n. 2. Stront-vilh; piles Stercorarius; addit Rajus: ,,hunc ex corum genere suspicor, qui in latus projecti ,,natane; ,, verum, ni figura fallat, fitus oculorum urrnque repugnat; omnes enim Rhomborides etiamli pifees plani & quali compressi, natant erceti; foli pisces, qui in alterutro latere oculati, in latus projecti natant; vid. infra Tetragonoptrum undecimum.

Rhomborides, pinna dorfali 17 aculcis pertufa; zona lara, perpendiculariter oculos intercipiente; cuius latera obliquis lineis tenuibus 13 diffincts finit. Tab. IX. f. 2.

T. 1X.

6. Rhombotides a cuius pinnam dorfalem radiis conjunctis incrmibus antecedunt 11 vel 12 aculei incurvi limplices; feptem lineis arcuatis lateralibus; primo oculos intercipiente; pofremis avacuor in pinnas excurrentibus. Tab. IX. F 2.

7. Rhomborides ore exferro dentarus; decem vel 11 aculeis recurvis pinnam dortalem transcentibus; fovamis latis; unica zona obliqua caput ad oculos arrinque fecante. Tab. X.

8. Rhom-

C. Tirrisque oculatus

s. Rhombotides dentatus; capite magis contracto; oculis in medio 2012 unice oblique; 17 aculeis curtis incurvis in pinna dorfali eminentibus; fquamis lacis. Tab. X.f. 2.

a Rhombotides ore brevi edentulus; unica zona lata recta, in qua oculi, capur dividente; quatuor priores aculei pinnæ dorfalis eminent; fovamis parvis, cuius latera multoties lineis argenteis longitudinalibus picta; cauda in exitu filamentofa. Tab. X. f. 3.

10. Rhombotides edentulus; exporrecto capite per zonam nigram latam & curvatam divifo; fauamis avadratis fulphureis; in lateribus due picture later incurve, badii coloris; nealeis 10 rectis pinnani dorfalem in anteriore parte perforantibus: cauda in exitu filamentofa. Tab. X. f. 4.

11. Rhomborides, falciis umbratilibus, latiusculis, tribus; pinnis dorfali & ventrali e medio corporis oriundus. Tab. XI. r. xi.

12. Rhombotides duabus fafciis obliquis, latiffimis, pifcem in tres partes dividentibus; tribus vel quattur radis in pinns dorfa-li excurrentibus. Tab. XI.f. 2.

12. Rhombots des parvus, 'ad ortum cauda, in medio latere & ad oculos falciis tribus divarientus. Tab. XI. f. 3.

14. Rhombotides, dorfo valde arcuato; planus & latus; veluti paffer major; eute glabra, cauda lata, dorfo fufeo maculis albis vario. Latera ad ventrem caudidiora & firiata; Klipvith Willighb. append. p. 7.

6. XX.

IL TETRAGONOPTRUS (J. XVIII.) Ducla lines a capite ad caudam corpus in duas parces dividitur propemodum aqua-

1. Tetragonoptrus, fuper fquantis argenteis, tribus zonis ex rufo fulcis, varius. Tab. XI. f. 4.

2. Tetragonoptrus lavis, ad caudam brunna macula circulari intra iridem albicantem, ophralmos; fimili zona obliqua ocu62

C. Utringve oculatus.
11. TETRAGONOPTRUS.

11. IEEE/ANGING TACO.

los excipientes corpore, ex arrantio albicante & leviter fufec, vario. Tab. XI. f. s. conferatur Ruyfebn pitets militaris Theatr. Animal. I. Tab. II. B, macula fupra caudams
zona carents.

3. Tetragonoptrus parvus, dilute cineralcens, squamulis perexiguis. Tab. XI. f. 6.

f. 6. guis. Tab. XI. f. 6.

4. Tetragonoptrus cinercus, lævis, pinnis nigricantibus. Tab.

5. Tetragonoptrus cincreus, lavis; ad caudam zona cincricia, nigris lineis obliquis deterpia; alters in medio latere ex albo var. i limilibas li. ess. tertal, tota ello, capita a re. quo corpore l'eparante; puna dorlati interretipia. Tab. XI. f. 8.

6. Tetragonopirus; dendi cauda fere ovalis verfus capur, infectori unndibula barbatus; pilcis fquams parvulis, rolei coloris; Gub obliquis ducfibus latis, badii coloris; operatulis branchiarum exculeicentibus. Tab. XI.f.9.

7. Tetragosoptrus, fun nuilis pionisque coloris ad inflar bombycinis, filendentis uprit, erro o tino cruffa purpurus, disconsis, filendentis uprit cruco tino cruffa purpurus, disconsistentis de conpretto quaturo digutos longos presentes de Coupertos Brodi, Maregramo 145, Williaghb. Tab. O. 1, f. 43 piunis in dorio & ventre longis ac latis, anecedentibus in functions, quos voces Maregravius, executrentibus. Conferant Maregraviu Gusperus Brallisan p. 1785 e cujos deferipio fere cadem el.

8. Tetrogonophrus vonus argenetus i corporis figura præcedent i ministi lavifinuus punns dorfili de ventrall implicibus, invisis i lavifinus pitcis admodum comprefitus. Tab. Conferent Rayfich pitcirculus. Abscardis Aprafil dichts; Tbof. Annm. I. Tab. II. f. i. E. radius pinuz dorfilis, dubulus forte, excurrentibus.

Tetragonoptrus levifitmus, totus coloris argentei uti precedens; pracer duo file longa in ventre & onicum er pinna dontal ortundum, nigra, Abaccunja Brafil. Peixe Gallo Luftan Maregravia p. 61. Wilayaba, p. 195; Tab. S. 18 & opp. p. 3. Zous canda bilarca Arted.

C. Urringve oculatus.

TEPTRAGONOPIRUS.
 Tergrapoperus, dorfali & ventrali pianis longitudinem corporis acquantibus;
 Sterapoperus, dorfali & ventrali pianis longitudinem corporis acquantibus;
 See Best Belgia. on ex Acaronisis 2 o pulcuris archevypis D. Jacobi Frailer;
 Wilnigho. Tab. O., T. alium vide ibid. pip. p. 3.
 Macrichali Tab. p. f. n. tutive ex Acaronisis et Tab. p. f.

11. Terragonoptrus; copite ample, ad latera valde compreflo, oris hiati unimumi; latera olivacea colore ex crudico albicanac variegiata;, in medio utriusque lateras macula ingra; Jequania parvis; dentanta. Faber, five gallas marinus Rendeltes Geinert. Faber Aldivosondi Lib. J. cap. 25. Pefce di S. Petro 3. Penret. Sacturari yr. Anglir; a Dorce i. c. denta. Filicis valde planus comprens. Willigabb. p. 29.4. Tab. S. H. Bittis valde planus comprens. Williagabb. p. 29.4. Tab. S. H. Bittis valde planus comprens. Perina continuation of the confirmation of the con

a) Vol. Miff. 1. §. XXXII in forc. De hoo P. Flexina Rum, Pife. esp. XXIII have labele: Supera person & ellipse; si espent ableaters, puß Koncho personals; Rome estem Veril pister tern Constant vocatur; gennas orbes in utreque latere pro liviu impraturendom digenous weiligen laborator — Duredus ergo el ha pife S. Pet. 81, qui lupidus S. Petri fert Adif. 1. Ergo dou pifera bujua nominia. Ecolis attore, edudos daterman attalla libra destructions.

12. Tetraganopreus, ore parvo, dentato; pinna dorfali ligulara ab anteriore parte. Faber marinus lere quadratus D.a. Hans Slone It. Hamaic, II. 290. Tub. 251. 5. 4. Ray. Syn. p. 160. The Pilotfith.

13. Terragenejirini magis laus quan longus, dennis ore & cauda in medii lacribus cincristi, carterum os futes variegari coloris; pinnis ventralbus, branchalbus e cueda, luidis, priores duo inprinis radu pinne doribits concreti in longifimam ligulam attenuantur; ore exferto & dentator_MIL.

14. Terregonoptrus, tribus lineis latis; ampliffima verfus caudam, pumas fittud maculante; piana doriali radu circuter

10. Te-

TXII.

64.

£ 6.

C. Utrinque oculatus.

II. TETRAGONOPTRUS.

fex concreti excurrant; ore præcedenti magis exferto & dentato. Tab. XII. J. 3.

Tetragonoptrus, anterioribus radiis pinnα dorfalis fere αqualiter cum capite & cauda exferris; lineis amplis, badii coloris & cyaneis, varius. Tab. XII.f. 4.

III. PLATIGLOSSUS, (J. XVIII.)

- 1. Platiglofus Univilus, Jaunualis Iserbius, quadratis, qual freits, qual freits et quis princis dorfili de ventral fisceidies, futleis et quis coloris lun de branchiales, in medio ablicantes; cauda obcută de quali mutilina, ao fuberecei lineis lans ad oracuta de in extremo norațai ore parvo, minutifilmis dentibus infruedo. Tah. XII. Jr., F. Huic congrene et lurului a bilitalia la Alemão adelus, apud Vilingoblejum app, p. 5. Tah. X. p. f. Le colore ex viridi ezrulto a doctum de în medis lentenbus; ad infilmum ventrem velut tres lineis rubelicores habeus, fouamis gual quadratis u rerelaçalass videarus.
 - 2. Plattyleffur dilutiori colore rufo; funamulis rhomboialibus; enpre ct fivo purum crincificente; cuiss coloris quoyer inn pinne liseraise se gutturales; Dorfales se ventrales fine-cide flavediame nontrahum, proor se cauda. Tab. XII. f. 6. An Xanthurus indicus, Geelfarit spud Willaghb, app. p. 2. Tab. 0. 5, f. c. quis tamen pinner ruben; se cauda falenta elt; illus vero cauda qvañ ableifa vel murila; inflar coni runcari.
 - Platigloffus, fiquantulis nigricantibus, couda bifida; pinnis, dorfali & ventrali, in poffica corporis parce circiter politecem latis. Acaratuna a) Marcgravii p. 144. b) Willinghb. Tab. O. 1. f. 3.
 - a) Vogum undique nomen: draramea; panter vagum: Guaperna; pro Synonymus tamen confervanda; ut intelliganus autorum nomenolasyram.
 - b) Margerawh jolt tilbult acoleum (qualem lubtet Turdus rhomboulalıs Caresboji vid. Rhomisyidem zemm). In utroqve latere ad caudam, acottilinshin, noo fiultra questa aculeum in Maregravii figura, evam delit.

4. Plati-

C. Urrinque oculatus.

- PLATION SSOCIATION OF THE PLANT OF THE PL
- 5, Platiglofius exiguus niger; Zonis aluquot luteis pictus; Acarauna exigus nigra, 20nis luteis diftincta; Willughb. app. p. 22. Tab. O. 3. f. 4.

6. XXII.

FASCICULUS QVARTUS.

a Milla III. victimus Höfenes & Cata-fine fingularitus aculies pradices finalismus apoque Caryanena f. e. Serman wel compromised habitus babranies omnes brauchits acestis. Illurum pedites finalismus pedi

- a Ouspeares, Indicana vel notabiliter armatas; quod vocabalum in firido fanta tumenus, quo firafa fantatu i Sam, XPIL. 1., não caffa atrea fuaper capac que se de force homata indicabatura, de apud Berbardam L. 111 de Perfarum equivas acesa vesta.
- c) Ropus, Galea, and rel rage pirel ant, grod caput defendit; Is Corporation, Galea armati, religio corpore, loso loncar, non noi corto granulato

- d) A mestal (a), pungo s ex autoritate Threphraft, qui pungicia, vel gunclores, five piloes communitet analeutas autorita (carrifess falutavit,
- e) dynamis, tumefactus; flerco ut ricinus omnibus corporibus allisque pe-
- 4) Edward Ariflet, Life, J. H. A. 409, 2471. dietre parus admedam pifeis d'ucus petris; hoc carms udirectes meus curiou lei excellent le des controls. A de la control de la control

In melle Edinnis spik.

The distallation is not sent from non fispers, whi ingress cope Tolernizhou flee Tours from non fispers, with ingress cope Tolernizhou flee Tours ou distant.

Allad edinnis of June man edinnis edinnis edinnis edinnis edin financia in surgeria estatu competente annua entre annua edinnis edinnis

MIXX .3

Thoracati L. CATAPHRACTUS.

- Catabhradhus, roftro relimo, quantor selculis munito; tous tiquamis officis denticularis conectus; labis edentulis, afteris tamen, faucitusque hitris, Sebaneudrii Willinghi, p. 211. Tah. N. A. Pogge, Anglis. Corus cirris plutims, ecpore octagono. Arsedi. Charletoms de differ, plfe, p. 35. tecciem fluvionis effe autumts.
- Cataphralius, in dorfo, lateribus caudaque favamis feabris, cujus caput Galeri feabra, offea, techum, pechus & venter duntaxat molles fruir.
 Rev. Willimbb. p. 212. Tab. N. 457-457.

3. Cata-

Thoracati L CATAPHRACTUS.

 Cataphraétus congener cataphraéto Schoneveldis; ore triangulo, acuto, fuperiori mandibula recurvo; tripinnis; unica doráh pinna praditus, ventrali carens; maris Baltici. Tab. T.XIII

- 4. Gataphrafitu cruss hortidus; ore coftato; mandibilis qua fi forcipairs; Lyra a) Bellon J. 20. Felce forcit. Roman, a britireato coltre. Malarmat, vel Mararmat, peta, mana, qui mares armatu Maffit. Ge Geneuf. Separatis son labet, fed carum loco offeorum vallo bene municur, que offa dura, ineega perimanen pilee exfeccion. On, Lyra altera Randelotta (2002). An idem cum Camphraflo 6xe? Sic mifere failure, collegue deferpiones. Triglia, circi splurmis, cort.
 - a) A exclo differe dettur, quod hio ternos habet utrinque in faterbus (potas in gutture) curras, quos ati digitos ahi appendicts vocant, Lyra tantum duos, Billan, conferatur Charleton adi, 1, p. 21.
- 5. Casphenellur barisaus, ore parvo edentulo. Tamoatu Brafil. Soldido Lulina. Maregravui; Willinghib, p. 211. Tab. N. 35. 76 is piana bancialist stranque a lasere presenta, firma influe corau, digutun longa. Totum caput inperius regirur teila duta riflant chiperi, du univertiun corpus velitum efi lo-rica ex oblongia, renasvertalibus, iquamolis corporibus compolius; lunque luz corpora pet ambatum muntifilme compolius; lunque luz corpora pet ambatum muntifilme di internationale della cocuminationale consistentiale della consistentia in antimiqua lateria neclalo, and na financia consistentia in universate literia neclalo, and capitale della ca
- Cataphrallus rostro in duo corma lara protenso; Lyra prior Rondeser, p. 298. Aldron. L. 2, c, 7, p. 146. Organic Genna; Paper i. c. Tibicen Cernab. Willinghb. p. 282. Tab. S. 1, f. 4. Trigle rostro longo discanto maribas tubulosis. Exercit.
- 7. Catchprodux, roftro fimplici fupra os protenfo 3 in dorfo iferraro tripinois, auteriori ex quaturo artifitis, media ex dudust, brevi membrana conjugatis Lyra vel Cappno Sabriani, Willieghb. Tab. S. 3. Trigla citris plurinis, corpore colegono Arterios cui idem edi cum Carphoratio 43 nec haber nili dioso, ad lummum tres cirros five digitos vel appendicas utrianges i vide fightama Sabriani.

Thoracati
L CATAPHRACTUS,

- A Artinitotellat, corpore brevi, digiti magnitudine, colore mimi 15. fiummi parrus ferrus, obique fitis, Mullus 2mi 15. fiummi parrus ferrus, obique fitis, Mullus 2carillone 6) Roneleia, b. 26, portus cuculi fpecici, Williagh b. 279. Tab. 5. 1. f. a. Addressman p. 123 quacupilo majorem herulio umberb , leqvent § confer-Charleton. 5. 18.
- Cataphraifus, casside stellulis calera, cute aspera; aculeis pinna dorialis anterioris parum serratis di multus imberbis Rondelesti p. 2g.; potus cuculi species, Willughb. p. 278. Tab. S. 1, f. 1. colore rubro vid. Charleton all. 1.

b) Plusions excaplinach: & Coryfliones rabent.

- c, A claringers, qui Caville delter, fimiliadae,
- d, ld grod in na'lo alio pičes, prizer illum, gri Signitarius diritor, observator. Habet Prilinghi, p. 15g. & alium malion inhoritore, Regen multorum, Redi Trigha Lauseum, nestica attem, cara vocetur a meliferobian. Trigue capite glabro, tota rubens, extince carters, sertell.
- 10. CatabhraHur Offeis finannis hifpide loricants, ventro ferrato; octo seulest validis in unitem pinann dorillem dilipolitis, pretere pinusa laterales alius daubas longis amplistus ν μοχεός, alatem fipecies gerens, de śworyses, final volans; cas fide erro bifurcata & amplum finum delerthence; appendices tres labet emoltranacce gwarum bine pono coulos, tertia a gula depender. Tab. XIV.fs. milvorum ficie, autorum, totus bioricatus, mutet olim noftre. Hirundo Garchept Tom. II. Tab. 3, & Dn. Hans Shoad Itm. Jam. I. p. 27 non flur hijuis loci.
- 11. Catabračilus figumotis eminentiis ») duris & ofperies duabus pinnis dorfalbus; ventre (avi) quibus charafter-hus pracipus a pracedente differt; sicringe. Milvus Schlains, Belloin & Aldresondii. Humdo Roudels, Rondine Bona, Voludor Hift, Valun Call. inge. Oppian. ing. Hin. Palcone in Scilla & milita. The Plyingfith, swallendink, Kirchin Agul. Willughb. p. 243: Tab. S. 6. Opercula brancharum offen ex Calcu producti in longus & causar pfinis uteru uterangue pin-

Thoracati L CATAPHRACTUS

nam lateralem procurrentes excunt. Trigla capite parum aculeaco, pinnula fingulari ad pinnas pectorales f) Artedi.

- c) Q in in figure Saluiana ner lechas elle deprehendimus.

XXIV

- II. CORYSTION, five Galestus. Dieitura puem Galea vel Claffis pi-fatum eraful offea, valida ali malar erasii quaderesi fenbra piatum erasulu offea, valida ali malar erasii quaderesi fenbra piatum erasulu offea piatum
 - Coryfiton; corpore gradulato & tribus, toridemque cauda faicis obliqvis variegato; pilcis operation; caterum cata-xxv phracto remo fimilis. Tab. XIV. f. ≥
 - 2. Corplina, ore lato, culfide in for aculeos cardam verfus exemune sentifiumos a quod traverse corro hippido; pinns quattralibus carvoleis, latis, eposamerecatus appendices, activates pinnis dorfailment de la light ires una culcutat, unica longa poli antum culcutat, unica longa poli antum current correspondente de la light production de l
 - 9. Corplian ventrockies; ore fimplied, denticulture; preter the dentification of the dentification of the dentification of the dentification of the dentification, ventralis puna longs poly habits of dusture dorsalists informations. Corvers, Soliciam. Mediugho. Tab. 5. 4. Trigle capite aculture, appendictulus utriture tribus a diffication of the dentification of the dentification.

d. Con

E I.

T.XIV

Thoracati

IL CORYSTION.

- 4. Coryllion ventricolus, ore dentato; galea fuperiorem mandibulam furca acuta fuperante; alatus. Cuculus Saluanu. Red-Gurnardor Rorcher Wilhighb. Tab. S. 2, 12, 22. Trigla tota rubens, roftto parum bicorni, operculis branchiarum filiatis, Artedi.
- Coryflion gracilis': grifeus; panna ventrali carens; duabus pinnis gaaturalibus rottdeanque branchia ibus gaudens. Cuculus grifeus, Gary Guenard Willigh, Tah. 5. 2. f. f. Trigla varia, coltro diacantho, aculeis geminis ad urrumqwe oculum, Arteh.
- Coryllion, capite conico; in cujus apice truncato os parvam, quali tubulolium; appendicibus cribus urrinque; duobus, pinnis guturaibus cordemque dorialibus gaudens, nucra macula in unecedent; unico pinna ventrali, post anum. Corax Rondeletti. Tab. XIV.1, 4.
- 7. Corryllon, Incie plana, Infum fiecdante: ore amplo in endem incie plantue, Etifirop rependiculari. Caliporumies, vel Uranofcopix Alévas. & Solatom, Ronald Grines. Laterine & pecco pete Rame & Pener tempes Booca in Capo, Williagolb, p. 237. Talis. S. p. Pintie, que gutturales effe follous, multiple mercinia que marchiales et adverto occlorum, que deferiptio non tifficir, et cognoferea Uranofcopium; vid. Aldrew, Lib. s. cap. pt.
- Coryllioni 7mo congener; capite craffo; ore ranz amplo, edentulo; feiffura oris perpendiculari. Niqvi Reafil. Piererman i. e. Araneus maris Beigis Maregrav., Willughb, p. 239 Tab. S. H. f. 2.
- 9. Gerylfius fampliei gales in unicome onficiem retrorfium exeunte unirque; circi exercis; Dreco five Arancus Planis, Roulel, Gener. Draco mirios Bellonii : Arancus alter, Alforso, Delon Salomani unerqve fol. Iv. Vivet Gall, Weever Augl. Willight. p. 233. Dretonis Species altern Willight. p. 234. Dretonis Species altern Willight. p. 248. Val. d. 10, f. 1.2. Tachinus maxilla inferiore longitore, circi delitum; Areal. Confer. Cher.

Thoracati 11. CORYSTION.

leton p. 27. Aldrovandus tertium insuper & quartum staneum p. 250. 251. exhibet.

- 10. Caryflow pinnis loansifinnis, partim surei parim argentei coloris; ventre lano, paloo, cundido. Dracunculus Ronalete. Aláron, qui & aliam ipeciem tradic. Dracunculus, Arnaei dori alba, Artedi. Quod Recundum Romar pinna fecunda per fororamia fipra espur, raba de NB, per esconoma fipra espur, raba de NB, per esconoma fipra espur, raba de NB, per esconoma (pra espur, raba de NB, per esconoma (qua pontre fipramionem branchiarum (quas aucea esculus direction).
- 11. Loryflan, espite maximo di aculeis valde horrido i corpore pro longutudne crafio i verius caudem inbroundem gracileicente; ore amplio; verius caudem inbroundem gracileicente; ore amplio; verius caudem inbroundem gracileicente i ore amplio; verius caudem construite in caudem caud
- 12. Coryflion totus ruber; unica pinna dorfali, interrupta tamens digius carens; maculis interdum libobletaris varius; Scorpius mojor Rondel. Salvani, Williaghb, p. 331. Tab. X. 12. Scorpana tota rubens, circis piurimis ado s, Artesii.
- 12. Comffini fordide Baveleens, unies parum interrupea pinna doriili, caput cesebris fipiis horridum & rugolim; appraciebus carens. Secorpius minor vel Scorpran Randelet. Willeghb, p. 331. Tak. X.152. Secorpius pinnalis ad oculos & marcs. Artelii.

TXIII

A. Levis armature; Sunt aculeati vulgo, five pungitii vel punchores. Quatuor gaudent pinnis: duabus branchialibus, una poft anum, ex adverio quatra; an Cerma fluviacilis, aculeis afperrimus?

g. Centrifeus aculeis qvindecim in dorfo, retrorfum inclusaris, dicretis, nullaque membrane connexis: in medio ventre aculei duo od latera averfi, ad podiciem nuus. Aculeatus, vel pungitius marinus, longus, Genishira, Griffuner, primum a ¿Konocedio declerus de delineatus p. 10. Tab. 1V. Willaghb. p. 340. Thi. X 25, f. 22, alisi Spinochia. Galtrofteus aculeis in dorfo ovidecim. Artefa.

2. Cattriffus 3 duolus in dorfo arousto ceuleis, testidens in ventre; Tab. XII.1.f., 4 feet tribus in dotol deprefito, in ventre duolus, poll anum fixto armanus; Tab. XII.1.f., 5. Estádins, 6 cm. descédient auffrat. Innuurer quocants captunarur, ex quibus Nehrngieni oleum craffum optimum, 2xapin, coupendo praparana; vid. Schown. p. 15. Piticiculos aculcatus Ranifelis, parte alt. p. 205; Generi: Pengirius plicis lidiravante p. 619. 6 diberti. Stieldback, Banthekele, e. or Scharphag Willieghb, p. 341. 6 de altera fipecie p. 342. Cofiterolleus, eculeus in Gori tribus, Arteriti; vel duolus.

Centrifeus, fex aculcis in dorfo; fub ventre duobus; Schoneveld, all, l.
 Centrifeus fpinis decem vel undecim, non perpendiculariter

 Centricus ipins accent vei undecim, non perpendiculariter erectis, fèd vicifiim una dextrorlum altera finifirorfum inclinatis, the laffer Stickleback Williaghb. 342. Gasterolleus aculeis in dorfo decem. Artedi.

B. Galeatus:

a.Centrifau galea picha multicolores; pifeis fayamofius rium vel quamon pedam; richi lorga, in aerrema mandibula fiperiori quamor, an interiori duobus longis, caterum urriaque in mandibulis ultra 30 douribus curris. Si acusti munitus; in dorfo quamor infighibus cucles, diferiets verifus caudam recurvis, infructus. Suillus; le grand Pourceau, the great Hoe-fifii Cattrifui Tim. II. 2.15.

2. Cen-

FASCICULUS QUARTUS.

Thoracati III CENTRISCUS

B. Galearus .

2. Centrifeu barbatus feprem pinnis , quatuor aculeis fortibus; cute argentei coloris fiyamis carence; ab hoe pifee latus magnos patitur dolores & difficulter fanatur; Bagre fipecies Maragranus printa Wilhabbeit p. 139.

 Centrifeus capite compresso & lato testa dura punctulata tecto; ore inferius parabolica figura; barbatus exiquamis; Bagre

altern (pecies Willingbbeji shid.

4. Centrifent, pinnis longis & latiosculis milar ligules; caterum centrifo 3rio fimilis, Williegbb. p. 140. Bagre terras, barbara.

 Contrifeur, in fommitare dorli testa dura ossea, in lateribus resta pyramidali angusta techus. Willinghb. 1b. Bagre qvarta;
 vulgo Clip-bagre.

 Centrifeus maculis nummi Misnici magnitudine variegatus; Williaghb, ib. Bagre sta foecies.

§. XXVI. FASCICULUS QVINTUS.

Hoe falciculo comprehendimus due genera pifcium brunchiis aperris; inter quos de Petromyzamen live lamporama fluviatilem, benachnis occultis, locuun haiden parallelismus; procu canil lamperas ore, lie paces, qui sequantur, vel firem vel figurense capitas pare qui cultis qui de consequente adharem. Alert ilunt corpore tumentello, unde cur compete adharem. Alert ilunt corpore tumentello, unde cur compete adharem. Alert ilunt corpore tumentello, unde cur compete adharem annequam technismis. GNAMI disense corpore producto, quorum nomen amoquam technismis.

DUM cum Artelo retained.

L ONCO FION.

 Onocionis colore nigeteanre & diluter rubente varius; ventre rubeferente; vuberculis cutaneis in accuma terminate ipartim afperatus. Lumpus Anglorum, quai muffa infornus, Charteou de difer, Pie, P. 22: Turner'; Generi; the Lump or Sex-Owl, Scotis; Cockpaddle, Whileho, P. 23; Tak. Nr. Lepts marinus Schoueculdi p. 44. Sexpoli, accolis maris balderi, Herbylandt. 294; Pabble, Barau Snorroths, tab Secreta bates or quadram circuiter, inter text a). I. ONCOTION.

caricatum, qvo lapidibus, ligno, folo, aliisqve corporibus arctifiim hærere potest, ut ægre avellatur. Cyclopterus b)

- a) Para lla cercularia estrema cidea miscona flucidali monità, sposi flere agna formata. Fine a raturligate agrate i transcriba fineleritane dere terrefrinque cofita ex fe foggas, figure que atresia supportius ed l'al-a monte catalogisses in fordame fostos edita devine. I defen flere trum tribide supportius et actual transcriba estato de l'alcano per colore del monte catalogis estato del la foggase entalogisme casant. a perfore cella maye in ou serdare, higher Engrane foresta; minimum moltuque referrum musicolis. Bele flereno, govad meterna, adheret george desplopatos.
- 1) A zośrokes, chrolus & Orspily pinna, good pinne ventrales in orben concreta (int) _ ort, khali, P. J. P., pray. fictor, me non libita telelipers, good foll veloping one sentrale (grarum nec umbra velugium) jus relow teneresta! nee distatora, materian commifica encorone s good in lectum postarum versilami fabilitatora.
 handicatorati spod in lectum postarum versilami fabilitatorati hune circulora, mediate goo pilitis (prout deltom) ostanbus concedeos solikores.
- 2. Onseiva gibbofiss ; Lumpus balicus & fronicus Generi paralipum, p. 125; priles gibbolis, Adieva, p. 469, quod in dorfo gibbus arcollitur, figura fere pyramidali, primis rubentibus Wingabb, p.p.o., Tab. N. n. p. 2, p. plen, p. p. plenbus Christer, p. g. werbase, Hoger-Lump German, the Bunche-back-Lump Angles contics, Bureau de generae, anim. Exerc y. Sed qu'il poulor lucrit, Lumpum Schonteldis, qu'en Granon fuille fulperfuit e menico dorfi, un den on fi fictum, qu'od gravitate corporis dependents corio dorfali extenfo, tandemque exfector pife, gibbum contraserri?
- g. Oncerion, dilute viridis & vivide coloribus pavoneis refigerates; dorin parum nagricane & cultellane nu medio, toidemque oblique & notanere inclio; pinnis viridibus, ad ambitum desuraris; frequens in mart prope Gedanum, non nagrat iaports; cujus figura Tab. XIV. J.T.

6. XXVII.

H. ECHENEIS; 🌣 🎨 ຈຳ ຄັນຄາ ຂໍ ກອນກາ ປະພາ ພະກາ, quod naves fiftet fundo carum alharens: "Parva-Echeneis adelt, mora puppibus

II. ECHENEIS.

Linguis. Opeins. Naucraes; Remon Imporati & Alieva. Lib. III. 22. Remeilge. Perunjuka & Prigupta Brail. Marger, Piece Pogador & Pieke Piotho Lyff. Supper Reight. The Sucking Fully. Supplish And, Capits Imporare para vel veruce circolo ad mitar accabultorum polypi prout nueston flerus, corporabus, richi modo, adhreras. Varasa de Remono upiniones vid. apud Aldres. Lib. III. cap. XXII. & Pin. Lib. XX Rever et al. Nomula Recorpi leu Interlus Fin., de quo multa fabbiatur autores. Pione diversia et different mininal. cap. C.X. XVI. 5, 14, 60.

- Echeneis exculcicens ore retufo; a medietate corporistam fuperius quam inferius punna decrefeente usque ad caudam furcatam. Remora Imperati & Aldrew Williaghb. p. 119. Tab. G. 3. Echeneis Artedi.

S. XXIIX.

FASCICULUS SEXTUS.

a Milfort III. vidirus Congres, Angullas dec branchiis, ques vocanus, con la cracia de la congres de

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incipiens & caudam in gyrum cingens, ad anum definit; wel atterate longs; a huma in useful oorti unia ed, fie nobis audium agguileformes onnes pilces corpore tercenusculo, five fini longi live breves, dumumodo product û crerest; idem Refur a inguiliformes connumera Gunuellum, Alsudam non crillaram de erforme obtoinem fluvirillem de. Exhibebimus irasev. I. RNGTELYOPOS pinna dortali longs, 11. ENCHELYOPOS minna dortali thevi.

6. XXIX.

I. ENCHELYOPUS pinna dorfali longa

- 1. Eucholypput capite producto, ferpenino, extremo manditular liaperioris ad inflar rhinocerotis hamato, dentibus acutisfinus 20 vel 213 oculis magnis orbicularibus; rripinnis; duabus branchalibus, unica doridil ex meris sculeis membrana conjunctis conflature, de a cervice ad extremitarea caude erectis de apinnis decurrente; nulla ventrali. Longue fui eventrali. Longue fui eventrali extra del conflato del conflato
- 2. Enchépopus constifictus: roftro longiusculo, plemmare himater demibus acutifinais, non facile configural indicus; Williaghb. App. p. 3; Tab. p. 7, 3. Meer-nel 1e. auguilla marian; Uburre 2. de Last. Dicturu haber anteriorem corporis partem tenuem, polterorem duplo crafiforem; fed contration totaled figuran spud Williaghbriam 6 quod emigration funcione. Dordila pinna returoitus a capire incipali in decumen escale. Dordila pinna returoitus a capire incipali decumenta in pracedenti. Direttia penhateur a muoca Manarami.
- 3. Embelyopus, capitulo conico acuminato; oculis & ore parvis; in dorfo & tacrebus fuitos; in ventre hepsici coloris; duos plus minus pedes longus; acuda teret; ad branchias pinnatus; pinna dorfall longu usque ad decrelconem candan; ventralibus carrens. Mucu Frafil Lampertz affinas Braúli. Marcgrava. Wilnighb. p. 16. Tab. G. 7. f. z. Ubrtre Jann. de Last Lib. XV. cap. XII. p. 73.
- 4. Enchetyopur barbatus; dorlo cinerco; mediis lateribus argenteis; dorfall & ventrali punis longis in exitu corporis conjunctis; e mento cirrolis. Barbulus quatuor habere ferribit Willagbbegus p. 135. & Azeado Ophidion Imus audice, citris quatuor in maxilla inderiori; verim nee Willagbbegi.

I. ENCHELYOPUS pinna dorfali longs.

Tab. G. 7. f. 6. nec Rondeletti figura plus quam dnos indigitant cirros; gyinimo Rondelessus p. 397. difertis verbis loquitur: ... a congro gemina barba e maxilla inferiore propendenre differt, & orts richt, qui in congro major eft,,... Ophidion a) Phui; Gryllus vulgaris Rondelet. ASELLI b) Species Bellonii; Gesn. 1043 Aldrovanda Lib. 3. cap. 26. Rondelerius congro cam fimilem effe feribit, quam fir ovum ovo; Bellomus pro congro vulgo accipi & pro codem ab Ichchyopolis romanis interdum (upponi refert; mhilominus tamen feribir, palmum is mediterraneo non excedere; gyos Willinghbejus vidit, non octo uncias longitudine fisperarunts imo Rondeletius cos príciculos vocat. Squamas dicitur habere infolita figura; qua omnis conciliare nequeo; fie cacutire nos faciunt & celeberrimi autores, & qui iplos exen fide lequantur. Sane, nemo P. J. Sachfio Gammarolog. p. 40. vitio vertat conquerenti: "dum multa sciuntur, plurana tamen "adhuc nelciuntur, non immerito fubit hac reputantem in-"feirez pudor, & shenz ignaviz dolor, dum miro artificio a veteribus commenta exhibita, alii in cadeln hæfitarunt luto, non quarentes ulterius eniting

- a) Quali parvus ferpens; ab other vel tygethow, parva anguilla Bellanuo ophia, ophidion ell Serpens marinus five draco marinus.
- b) Ecce ASSLLUS Relianie, vel afelle species; licet in textu autor fatestur, pag. 112, grad vix in promptin, gvid de co flatuere possie, See quid Rondelecine p. 1987 whethe feet , qui estidion inter nafellos numeravat, cum plana ilias dellimilia fir corporas bacata, esanante, sinnie, atque cum longis plane connumerandus. .. Pluter un: Merlucius fire Afellus primus Rendelesii , vel Gadus darfo dypterygio mavilla infersore longiore, arredi, & Lin, Willinghbefig quod nec Calleries, five muften Mallibens, nee Galde vel Celaria marina bellenië afelli funt. Vetum tovulem eff., grod circa finem Capitie IX, Libri IX. Rondelreine fembat. fed notanter: "Hoe capite NS, a valgari omnium hujus temperis doctorum hosminum fentoness non recedity ov: MERCLICIUM afinum fire afel-"hum effe NB. eredane &ce. » all paulo ante jam dixerat; "ex his aperifocuum eft, etiom veteres nomma alla confidelle, & fipernas ugya duo aror festioce & orientes fi gots femper confirmenda effe soutet; fateatur necesso est afeilium, qui NB, valge nave ab come.

I. ENCHELYOPUS pinna dorfali longs.

Aur Pro merlucio habetur, negve ovov neove durivos dici poffe "Gerandom Arrifotelem,». Ab omnibus autem dicatur Merlocius bipragus in dorfo , fed gold ad hog Randelerine, ubi par, and contra Dorismens disputat, our fluviati em murenam spinam (for pinwaw) Unitam folium habere NB. Onifen, ovi Onllarus f. Callarias (dreede Phycia) dictus eff., fimilem? verba etus funt: "Qui shat afello competere peffunt, quem fpinas permultas habere conpflat ? . & pag. cartem infent sorere, etft derenes per diminustionem dicator ab dvoc, non obseve tamen afellow converterim. miec oviques Dorionie Afellum pofem Latines nominatum elle creadiderim. p. Proyocanius præteren ad Rajum, Libr. 1, apud Willinghis. cap, XA P. 23 circu finem: wool tres in dorso pinnes eafter, and .ter afelles, nullum pifcem novimus, in Suffinuit autem Routeleeine: aftuum antigrorum non effe afellum; & in fine page 277forethe: Lovoy & inde per hypocorificon nomen oviewer a Caleand & veterum permultis pro co accipi pifer, quem hie (Cao. IX) -deministrate, ovious MERLUCIUS vocature a perfyafum me habeo . Ramielerii figuram gram dedit , mentiri duse foins in dorfo . fed revera unicam referre debuiffe, idque non fine ratione: 1) good pag, 274 ait: Merium pinnss quatuor natare - a podice ad gaudam pinna continuator, hair fimilis eff alsa in dorio ad caudam Gre protenfa; 2) gvod Safoianne, qui non nili unicum afeilum exhiber, over vocat everes 650%, fating Afellum, Semeric Mer-Inggo, lofe vero in texto MERLUCIUM, quali maris Lucium, minxerit hund pifeem prout defenglit, unice nimirum & lenge pinna in derfe; verum Willigbbegne, forte figura Rondelett indu-Our resoftmotam Medica a Salvano fivotam Teknia L. Memb 11 R. avidem wan acultatis, anibus dwa in darfa sinna crizuntur fulatecat comem autorem & Arredus focutus ell , ovod samen Rendeles ting Lib. XVIII a. e.a. andignahundus reprehendat: ...hoc non-... offe decere, fed fludiofs smooners, aligd picture aligd verbis desymonfirate, a Qvod porto ad Piferm LING Anglorum attinge Williambbeer Tab. L. m. 2, f. a, nemo non dixere, effe anguille forment , forte eram dorfali piena cafu interrupta , cauda nulli afel-Januar communis Nefero stance, que fiducio eletifi, decedes teles P. II. p. 19. forsplerie: "Qvis unqvam negavie, Afellum longum LING Willinghoryi, & afellum "MERLUCIUM autorom cum re-"ligvis novem Afelit & Gadi fpeerebus, quas deftribit Willinghbejat, peodem genete convenire, licet Afollus longus & Merlucius airmas

L ENCHELYOPUS pinna dorfali longa.

where traven in death. de unions on definient, relieve level year described on the contract of the size of some indicated, at Minn and the time Winghadow Mileti. Turnen tertum Roubbeil for Februm venerum Robbeil Additionan game accesser in Men admonth of the contract of the size o

Nalius addictus forare in verba maguti.

Beqve milat expeto populares fed conflantes de graves Concivers,
dummoeilo versatem pre cossila habients, exclusi prajesticiorum mpedimentus casa emminus serum finalario utitafa efi, solitopus
peditimas vera.

- 5. Enchelyaput flavus, imberbis, przecedenti congener. Ophi-dion flavus Rondel. & Keleneviditi; piliciculus longus & Ixvis, congre finalis, pinat doritil unica longua finatudam use que producta, afpera & velus ferraro muerore femdente; alterna a poduce lenitore, duabus ad branchia exiguis. Ophi-dion cirris carena Artech; Wilinghégies flutte varietatem profesi fin ficiel mel fire profesi non ficiel mel fortuna.
- 6. Buchépoper, in doulo elevo extoléceus; cuipe laces lincis feu crents paraleis bolivre defendantus, verteganuri, refiro acuto, maxilia indivine fiperiore publo long, or condition acuto fiperiore acuto fine maxiliary fiperiore f

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f.30.

I. ENCHELYOPUS pinna dorfali longs,

genteo colore; posterior suicus, in lateribus dorsum inter & ventrem vivide argenteus; huic caudæ pinna est lumata; illi obrust falcata; perperam Tobianus maris baltici Schoneveldu.

7. Enchelyagus. Jabro mandibula inferioris fuperiori mandibula acuminua longiore; lib carultus, ex argento cross plenacuminua longiore; lib carultus, ex argento cross plenacum longiore; lib carultus, ex argento cross plenacum configuration de la condicatori control c

8. Enche/popus cauda longiffima & tenuiffimas colors ex incurnaro ceruletentis i Roumanum prortus expres. Pracer pianas branchiales, in dorto habet pianam digiri dilancia a capire inchorami da de undon exernam persunerem, cum cuyus piana continuarus, concurrente ventrali piana pone anum, quemdondoum in anguila. Train girina Rondelirii Cepole Romanis. Traina autorum Artedi i a qvibusdam fipale vocasos, Gentee.

6. Enclebyspur, coloris argentei, fubrubra pinna docfali; linea-aiper in laceribus, exterum mollis. Train seria Wilderbebysp. 1:17. Tab. 67, 7. f. 7. Fals venecorum, Bellonti. Fals: venecorum dicha Artedi. Train (mellis quan a falsimi express) Aldroundi; perperan a neonullis ad aicilos numeratus; vid. Enclesyopum quan in noci.

10. Enclopopur, corus pallide rubons, in imo ventre albelcens, ad lacera negis comprefus ovam anguilla, cuuda tenuifimat pinna dorinis ab occipite ad caudam continuata; cui ventralis apponitur ab ano decurrens. Tenia rubra. Cavagiro & Fregga Willinghb, p. 1775.
an Tæma eltera Rondelti. Tæmia diven delter. Rondelti. Tæmia lubra.

11. Euchelyopus phoenicei coloris; pinnis, dorfali & ventrali, a capite ad extremum caudæ acutæ continuaris. Myrus al-

I. ENCHELYOPUS pions dorsali long-

rer, feu serpens rubescens, Rondel, Aldrovandi; Tanire potius species censenda, Willingho p. 118. Tab. G 7.5.3. Tama, serpens rubescens dicta. Artedi.

12. Embelyopus (rous ex fulco flave/fertiribus limiris figallaus, macalistys varius; in pinns & ad latera dilutioribus; parvulo cirro ad exercision mandibole archivors. Mufles vivipara schousorida; cujus tamen figuras quani adopavit Mulaghh. Tah. H. p. parum vales; pinns quani fortisci ventreless pod anom habet longifitms, cardam rotisci con tractici na pod anom habet longifitms, cardam vales, manatem ambientes. Robaspe, Alamater vales, manatem ambientes del consultation d

19 Pwer-198ut fibeineeun es fuico mesulofius barbula fatis lonze i engrois pedoralibas pinis donutus modalituda pinisipum un entropo de la puta de principum interrupat cum ventrali post anne med conduntusque fabellame excurrente. Muficia materia petica petita de la puta d

c) Vid. hog gob. notum b).

d) Non idienter duas in mußela vulgard zgeofelmus ginnas derfales, fed uneam er éren all interropans i 30/hegéte, p. 121, potius insemibratularis humilem vecat, que, nils is pribus arsportius & recré to s., zge centur, fed idimenta e folfals feptatum extre vaceture, ut proprie pana, (windom aftern) det provise.

14 Fnehelyopus cirris tribus, oltero e mento, duobus inter nares & rosfrum brevibus; cauda prolixa, laceralizer press & sensim attenuata od extremina usqve, qvod transgreditur h

1. ENCHELYOPUS pinna dorfali longa.

pinna dorfalis & resbeditute usage ad anum; Nigrieus pidis; vo colors decredo es alto & luero, nigredim amaris, varius apparet. Mufela fluviariis, Eelpus, mario, 7 paretum valet. Lors Randelet Gern. Gadus dorto dipterygio, ore circato, unasilis equilibus, Arris, Mufela, Ratten Mario, Hill Gern. 10 paretum valet. Lors Randelet. Gern. Gadus dorto dipterygio, ore circato, unasilis equilibus, Arris, Mufela, Ratten Mario, Hill Gern. 10 paretum vil. 10 p. 17, p. 7, Tab. XX IV. F. j. Kulyen. Refanti; Mengha Ulagari; Pespecia Illyretic. Condeten de differ, pife, p. 3, pifeem hune ex genere anguillarum effe agnovit: cum hoe pitee conventi sorge marrine de Ponzelli-no venetiis, quem defertibit Willagbb. p. 12s. figuram vid. Tab. H. 2, f. j. 1

- Enchelyopus capite Cullionymi five Uranofcopi, quod oculis calum respicit; Clarias Nilorica Bellonii, mustela fluviatilis species. Willingbb. p. 127. Tab. H. 4.
- Enchelyopus, qvi Ling Anglorum Willinghb. p. 175. Tab. L. memb. 2. n. 2. de qvo fippra nota b).
- 17. Enchelyopus capite limacis facie cornuta, cirrisque donato, Bont Aci feu Necgenoog Le. Lamperra indica feu Ennecophthalmos Latleri apud Williagbb. app. 4. Tab. 6.7, 2.3 addein Rajius. fi tanuen plura urrinque ad branchias obtiner foramina, ut nomen indicar, novum pičica genus efi.
- 19. Euchelyopus qvinqve maculis oculorum zmulis in pinna dorisli, cauda proxinta; roftrato capute, pinnis rubris, cauda czrules. Viifoog, pencophtalmos; Willingth. app. p. 6. Tah. 10. n. 1. ibi: Auguilliformis eft pricis, & ad Liparin Corrubientium accedit.
- 30. Enchépapas congre forma & mole limilis, venenatus: Last cap. X'III. In fine 27. uses intendie virali de clegantifime variegato, richt precine & dentibus eaustifimits caro detrada cute candidilima el 6 non ingrati laporis, verum quellitatis adec virulentez, ut in fiammum ditriamen arque a-deo morrem conjeciate cos, qu'il lang guitavering i in, ferra pera marinus comprefits lividas D. Hant Stoam Ir. 36m. I. chiacus, in a dublo no loco popitus inere price da benchis estimation in dublo no loco popitus inere price da benchis especific; qu'odifi occulus gaudeis transferendus ad Mig. III. § XVIII.

§. XXX.

6. XXX

11. RNCHELYOPUS pinna dorfali brevi-

- p. Enthelyopar barbulis few mandibulæ fuperioris, gyatuor inferioris. Murgum feu fisqum, pilies lampernformis Normberge & Ranisbonz ; Whiledob p. 19, 786. G. g. f. 4, Cobris carulclessa, linels utrinque qvinqve nigris longitudinibus, Arteil. Williagh. 124, mulclean foillem (qwe fequrur) eundem cum hoe pilfe antumer; verum illa non nit rets barbulist habet, hune decem habere diki autor.
- 2. Enchelyopus liness latis acro-fulcis, punctisque fulcis fuper cinereo & fubflavo varius, pinnis branchialibus rubicundis; cirris evidentibus tribus. Mufiela foffilis Generi, vel potius Georgis Fabricus; Germanis Pejišķer, Beijšķer, Me perpute, Mejertrassie, Mejergeinstel, Agricola Piester, Poccilia Schonen, cui tamen ollo carneus parriculas circa oris incifurum adferibit, & mustelæ vulgari tret. Cobitis barbata, Lampetra barbera, Steinbeiffer mit bent Baart Dn. Jo. Leonb. Frischis Miscell. Berol. Tom VI. Egregia est fabula, qua Georgius Fabi terus imposuit optimo Gesnero, quod hi pisces e teres fodisatur. Certiorem de hoc pifce communicamus historiam: Amplo vitro, aqva fluviatili, qvantum latis, repleto, si committitur piscis, diu conservori potest frustulis panis filiginei; eritqve tibi vivum Barometrum; nam quoties intra 24 horas ingrata tempefias aut procella oriunde, certo cercus tumultuatur egregie; aere quieto, & cœlo icreno valde placidus, efcaque confumta, in fundo vitri immobiles jacer, barbules ludens. Figuram forming over the brevi edendis (bem Streiden nahe) tradimus Tab. XV.f.3. 1.XV
- Enchelyopus nobilis, cinereus, umbratilibus maculis fufcis varius; cirris fers; Coburs barbarula Rondeletti & altorum; longe majores funt figura noftor Tak. XV. f. s. Cobitis fluviatius, Sucerla, Smerling, Smerle Schouweldits Willaghb. Tab. D. 3- f.3- p. 261.
- 4. Enchépopus, precodent congener; non tamen edulis; ventre ex albo ineues; dorfo da medium corporis maeulis rotundis ingricantibus lineas fongitudinales efformantibus, vento; germantee Stembenliers Stonebeitee, Balineri, quod parviolos lupides degluirie ereditur; an, Cobits barbaula aculeura; Gen. Willagob. p. 265. Lampetra pungens, Cobissis.

r. XV.

q. Euchelyopus Iquamulis parvis, deciduis, venere argenteo; dorlo puris maculis vario, myflace fimplici ad angulos oris urringve. Fundulus: Gobius fluvistolis autorum. Grundling Grandele. Schoneveldri. Tab. X V. f. r. Sapiffime confundirur fundulus cum Enchelyopo terrio, pinna dortal, brevi, five cobiride Rondeletti barbatula; hanc primatum inter omnes pifees objecte revera credunt & poffrates & exteri. Ingens conta Enchelyoporum & tertii & ovinti in Pruffia cit. Fundularum caro moltis, dulcis, plus falis requirens; Smer-Le graciffing time taporis vel vino vel acero per cochura neenti: in mentis deheatolis fi ad propinandum juxta pofueris vinum generolum.

6. XXXI.

His obsoniis utere; non abutere, ameissime Lestor; ne nauseam conershas. Dilpone after; adde condimenta; deme ingrata; ut accepta hat pompia Tibi mibigye, ubi intellexerim felectum, quem feceris. Configeres fimul rogo: non effe multiplicanda genera, ubi vel digitis abfoloere porueris onnia. Si DEUS optimus maximus fecundare dignabitur ulteriore coparus, religyos pitees magis notos & apertis branchiis (pirantes miffu V abfolyere annuar; alios, vel ob diferepantes autorum fententias, vel propter Figures variantes & descriptiones profetarias, minus potos, vel paucis urque dum cognitos, gyorum uberrima feges eft, miffu demum VI congregaturus ita, ut sanquam novirer conducti veteranorum aciem intratent;

Si vero Summum NUMEN Teeum amplius confabulari negaverit, vel prafentia molimina Tibr accepta habeas . ODIO.

Aristoteles:

Imbecillis invenis eft. demonfrazionem corum averere. que fenfus ipfe docet. ADDI-

ADDITAMENTUM

MISSUS III. Cohum XXXVI.

- A. n dicho spho XXXVI, opinati sumus, non omnibus Galeis umun eundemque esse modum natura, que fatus sues foveant & exclu-dans, idque data occasione in clariore suce exponere allaboraturi. Expolitimus ovarium galei (force Arifforellis Canicula apud Rondelettum p. 380, vel alterius) pilceinque carulum ex folli-culo cornea lubftantia defumprum, flatim lium aulloque finile culo umbalicali &, qva dici ioler, placenta, vel facculo tali, qvo alter pifeiculus Miff. 111. Tab. 1. £ 7. gauder, inftructum; De finuli illi plura addere licege.
- B. Menfe Aprili 1742. Nauclerus Schlenter, cuius & Blafferti nomina, quod ex lua gente viri perquant humani funt pobisque amici. reticere nolumus, o mari Britannico in patriam redux Galeum Acantiam duos pedes & fex pollices Rhinland, longum, facminam, nobis exhibuit, qvi captus (pario 32: horarum qvatuor edidir carnlos, tandem spiritu vini gallici una cum prole in stinere extinctus.
- C. Pulls per omnia fimiles erant carulo (Mill III. Tab. I. f. 7.) quem pro Galeo Arteria habitamus, mili quod hie arterizmis fiptusque donalibus carens, the afternots garentes against fuerint, fpinis equidem dorialibus diabus adhue mollibus.
- D. Mater inter pinnam ani duplicatam (vid. Miff. III. p. g. not. b. Anus. Tab. I. f. 6.) tres apercuras habebat ad triangulum dispolitas; funerius unam, exirum inteffino excretorio pandentem, inferius duas: ad dextrum alceum, alceum, alceum ad finifirum, orificia duorum aterorum confituentes. Intra hus aportumis apparecha vulvacolumella alba brevi processa pradita; an Clitoris?
- E. Ab lonnais a disphragmare ad usque duplicatam vulvam aperti lon- Abdomi-Ando erat XIV. pollicum. Hepar, ventriculus, ovaria, nis con-Juha, Uteri, Lien & meeffinum prater reliqua toram occupa-tento. bant caynatem. Remin veficeave nullum vell igium.

F. Hepar.

PARAGR. XXXVI.

- Hear. F. Hepar, vifereum omnimm maximum fub diaphragmate cique arche admexum, tribus dividum parribus: nempe lepare joje do do-oboss lobas ox heapes prognatis. Superior di addivida para fue-paris partera tentricult de obusti utrissque lamentali de obusti utrissque lamentali de obusti utrissque lamentali de combination de la comparta del comparta del comparta de la comparta del comparta del comparta de la comparta de la comparta del compart
- wenter G.

 Interpretation of the control of the con
- Pylorus H. Pylorus , circulus contrectus inter ventriculum & intelliatum haid admethatur Lien ope minutifiliatum safeulorum. Caserum vikus minutum vita policem torgam entre vikus minutum vita policem torgam entre vikus minutum vita policem torgam, Tanatan de minutimum, novem circure polices longum, faccioremente politera lorgam, novem circure polices longum, faccioremente politera lorgam por proprieta de minutimum, novem circure politera longum, faccioremente politera lorgam politera lorga
- Oratiom. I. Ovarium utrinque nullam fecum communicationem habebat, prout nec tuba uterina de uterus dextri lateris cum tuba de utero finiliri lateris. Ovarium 4. pollices erat longum, dextrumque tria, finifirum duo fovens ovula fecunda.

pinnas ani terminabatur.

- Orula K. Orula exacte rotunda ex materia confishant febacca tenaci, magnitudine per diametrum duorum fere politicum, macula quadum e cinereo-fulci coloris & lentis magnitudine notata; qvx forte rudimentum Embryoms.
- Taba L. Ex ovarii superiori patte tuba pronascitut, levi antractu uterum perens; est autem textura ejus ovario validior, vasculis gaudens multis variisque, quorum ope adharet ventriculo, mul-

- ta & ab hepate recipiens; inque flatu naturali femipollicem pro diametro habens.
- N. Uterus derrer (pifec refupiano) adhuc unicum exclusioni pro-Festu in xituum foveba feerum (tuulum, aulii membranz involuum, ata. oute. nen pineenam, forous facult e functiou mehileili per processium robalarem, or soho sadandow (Aviff. de gen. Amin. H.I. z.) pradila, inquidapre materna faits repletir, cando tudomna amplecham, capite verius ueri orificiam porre.

 Co. Functulus umbiticials per brevis hepeti fatoris interirut.
- O. Hare funt, que pro temporis ratione in hoc pifee & circa ejus caudos obiervare potunius; an ullibi lapfum tulerimus; Revernori Erudioroum examini nos fibmiterares; e umaque in finem notas fubiusgere decrevantus feparatas, ut interraneorum oblervationes planse & dell'inter manerent.

Note:

- Ad In. A. Teaninem: In genere notendum, imprivis pitium vulgo artulopinerum feminai molece & pondernifores elle meribar; in Ostoromu untera petirpe planta fetta teolorisatis: in Reyardoro do figuram enomene plares in commode consistencia polici, meter 68 Majus al Wishagh, p. 17.
- Ad lin. Be. Orificia deptities server proof murchas prince genores faire, to server and the server prince to the server and an extra server and the server server and the server and the server and the server server server and the server server server server and the server server

Note:

Acantila difficto, obfirvationes doctifiamos sutor pratergreffus et.

- A) E. C. Annum suplicagor sublem suplicitum ext non forum mili citi. The control of the contr
- Ad In. D. Ladi and auspru pauli ar. Sie & Enrier: uterque ejut lolors d'alpetagenate ad annum porceditur. Careire, p. pp., vul écra als, i.p. 27s. de lobis hepatis. Le foye du Renard maran éa-ce partègé en décis lobres fort longs , anni qu'il et l. 4 la plus part de Dellains. Perreuit Rese, de l'estad, ils d'écrees 7èm, 11.p. 1.2 a. de Pour de l'estad, ils d'écrees 7èm, 11.p. 1.2 a.
- Velles felles suller. Hanc observare neutroyam porulmus in noffro pice. Foundem Willerlife, p. 96. de Galco Acanthia a agvod Cyfluddialea longior fit (quam in cane Galeo) Se dependens in lobo adextro ps cum tamen idem p. sa. de Cane Galco cum Ensie ex profit directit: veficula felles unita adeft; & notandum venst. ovod Enrius apud Charlesanum pag. 82, in genere de Galco loquarur, ubl ab incio: Galess pon ell nomen proprium, fed genus ad omnes cartilagiocos longos (pellans, ut · vulpeculani, Cantealam . Hinnulum , Stellerem , fpinarem & reliqua generia riundem : gtjamfi Aldrovandus p. 399 Galcum fimoliciter deflum pesuliarem speciem elle contendat ; eum e contra Doclistimo Entio affentire nequeamus, quod descriptionem Gales sur, innominati, ad omnes Galeorum foetics quadate practumat. Outcovid tamen fit , in volne marino vellea felles nec Duo. Perranit all I. p. 100 apparult: "In vesicule du fiel etox ensermée au haut du ngrand cobe dans la finbliance du parenchyme , & n'etost pas exapliquee as debore, mais on voyor feulement paroitre la couleur

Note:

weste an travers de la tunique du loyer cui direntente additiones article, cleptes? part terrunque le vam lich displicagnate junirecur selectum telescom adjonablosts, unde per, pfun bepatit follescon un contra decelul in medi cum van eras. Salptem beer, a tunibant, qua veifu fellen delluti eredimas, literterm fogte in debliant kapatit velcalung avgroreum soldran chaleron.

- Ad a. f. Pontrent (Galei lununinst) initat egregiam figuram exun-ce Chestessus, p. fp., who & Colopbugi par Initias; val vantrentum desclimates pipotrus; duodenum; formem duodum in Lutum paternes. Iuria duodens; Luenj panereas, dudia bislares; mefrentum;
- Ad lat. F. Pylorus: In vulpecula quanque política longua foit. & facile pro duodeno haberi potoit; Persanti all. 1, p. 121.
 - Lem vid, Charletenum id figuram ventreuil fiet, d. b. & Willing Ch.
 de Cso Acambas p. 667 u. Liter ad findem ventreuil habens
 gree fina, qui intellaum connector quandungue refedent per
 litere findere fiortem ubl comi procreate connect to. Eff su
 litera gracera dapte, ad angelan p. quem intellinoum cum fe lefo
 litera, grot destrian fecture fietelture, fieture.
- Ad in. O. Nollow from remandationous: Sub-daphraywas isroepe teemas overum few vicilarium. "Lütinges infa vicilari soon-inobatum, Sub-daphraymas fro framus prate atrast. Walgish. viv. 16. cool. Safa apid Williaghs, p. 17. Sed. quite, muses prate at from a prate atrast. Walgish. viv. 16. cool. Safa apid Williaghs, p. 17. Sed. quite, muse prate at from daphicat value families, must propagations, quite attain in susteria figuration (Feb. viv. daphraymas).
- Ad lit. H. Eonde rasunda: rotanda, gallonacia minora, Willingdo, p., pf. in Grenonis pulce etant magna, medioria, montua; crant plus, aquen, flavelentus; etant rotunda, oblonga de,
 - schares tensti: Willinghk L cit. "mulla, grod observate potuinuts, ualbumans & virelli del relione. Gotor inteneris fabilitatiic fia"writet nomini", velut flor lactus, auc tancilo mages.
- Ad lie, L. Ex ovarii faperiore parte: Equidem Willingbbey, infra vitella.

Note:

ria continuari cornua uteri decit; attamen ortum trabunt ex faperior, overit parte,

- Ad Mr. R. Forme factule Structure de vigine pritie p. 150° c. In older melleter endoctar spectre overen: the two non fact with a version fact with a version expert overen the version for the version of the version factor of the version factor
- Ad Lit L. *Uterwi dexter*; Qrod uteros in duo corpora glandulofa intomedest, que tamen in medeo pervia», Williagho, Kribit; intellige fetandam longitudirem canalem pervum induenta, non qued corata ateri dextri & l'indiffi per media in le mutao pervia fint.
 - Rodfi membranes. Ha de 19-illeghbojes p. 1911. spetiecies & partoi spronivus nulis membrana ika fecundu melafus. 18 dadus sa notrou specent. Ora tullo nuclou tete ablgata fant. " Confessor figars, qvam dedic Ad. A. Severinus eir. p. a est uteti Gales cum tribus entits perfectis.

Eigniflague mareria. Ruchifi publi facculum oenophori Rannei forma, facundum Gruermum, factum vehant, exinde autem 11, qua in utero vichtando, increnei a indicies, do rec de cido per ora fabili julip profocca quema, vid. fig. 7, 246 s. Anijin 111.

Danielsta mellifeldi. Umbliese puble figra pinnes tetrelles, well
ferendum Wilderfie, brush finep pinnessum gar, e que fiera de
gender of filledate een vielel pritte; een temme prefilezeiffen uit
enten in ervini de disesveerte floorend de virul forbestenen; owen
de steren er versie de disesveerte floorend de virul forbestenen; owen
de pritte production of the destruction of the destruction

schem fettenen, que de parez peur elle. 21 fatten ex. adjérend, et en principal en proprieta de la companio del companio de la companio de la companio de la companio de la companio del companio de la companio del la companio de la companio del la companio de la

Ex iis, que in medium proluta funt, concludere licer, doplicent cife involum Galeroum generationis: vel enim mediante foliticule (M fi III & XXXVI), prout Canicula Aritolecile spuel Roudelles (spuel Roudelles page de la communication from tention factor families fortun families familie

ad vulvam, ita ur ovo abliampro parius non aliter quam in quadropedibus contineri videatur, regiciendum effe arbitramur.



Errata,

Errata.

quidem levia , B. Lectori corrigenda committimus.

Addenda:

p. z. fin. 20 egrediont ir nåde (*) Leet ejutmodi aver politores ad hominis inflar creclas pinga t, un incedere videantur.

P. r. not, a) ad finem adde

Judici in populi nunquam contembris unus, Ne nullis placeas, dum via contemiero multas.

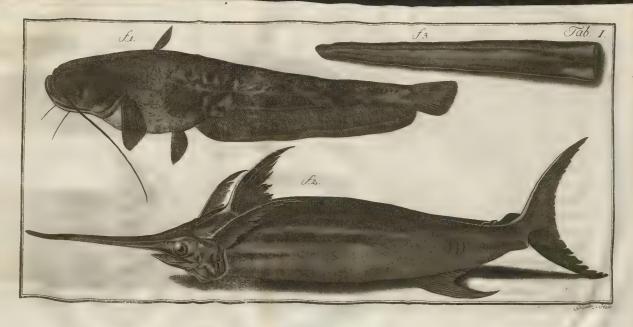
P. 7. §. V. lin. 2. ampledemot adde (*) opinatur Leuwrenbeechus aratem psies à figuams pets palle; conf. Phil. Teanf. Angl. Vol. XV. No. 265, p. 891.

P. S. lin. 2. amplificatas adde (*) conf. Phil Transaff. Vol. XV. No. 168. p. 191.

Attedo P. II. p. 3. adde (**) Phil. Dough thid. These fishes are also provided with Fins. the other fish; for they have on each I de of the head a period fir. the whole hander part, or Tail, in as not alone as under farmabed with a continued fin.

P. 19. lim. 19 a fine Sterkens adde: (*) Geforent de Aquat. Lif. 11. 12. 3. 3. 5 Sigismundor; liber Baro, inter cotteta megan Pontipis Mofeovitarom dona multa, quoque pikuum fitula 11. lifa, Sere datata, Belaga, Oferri, & Sterlad, acceptif le feriot.

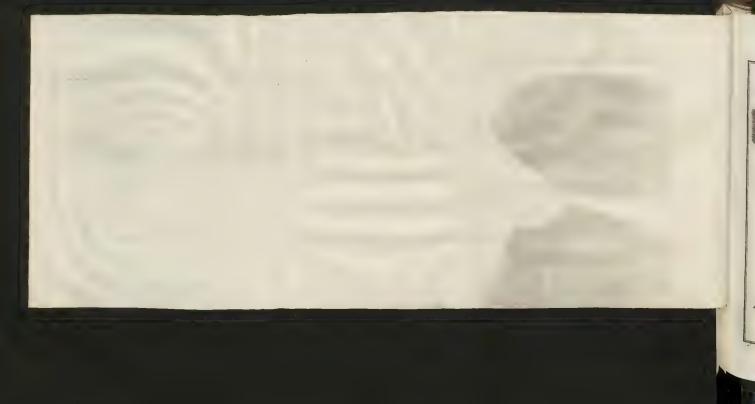


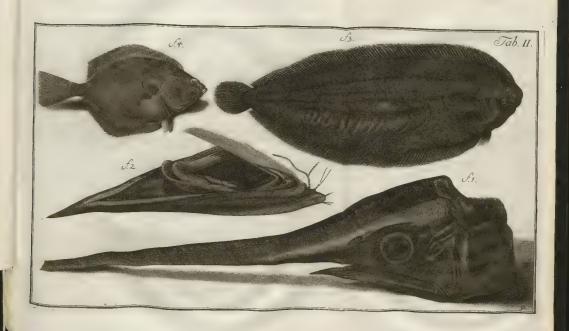


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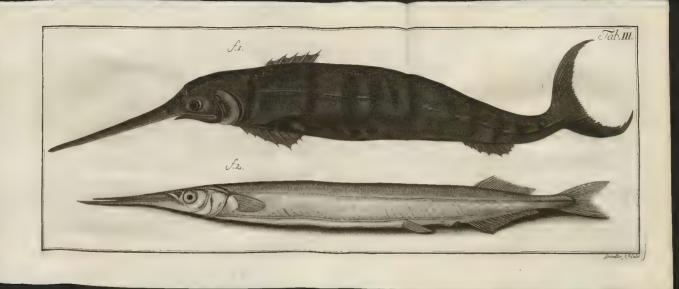


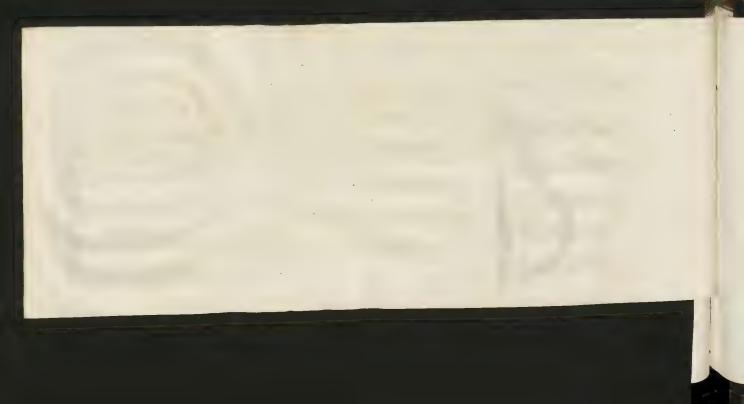






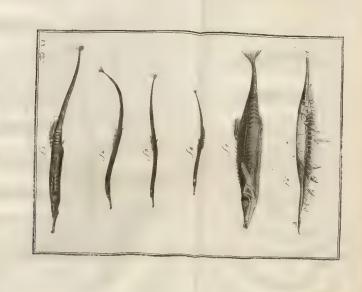




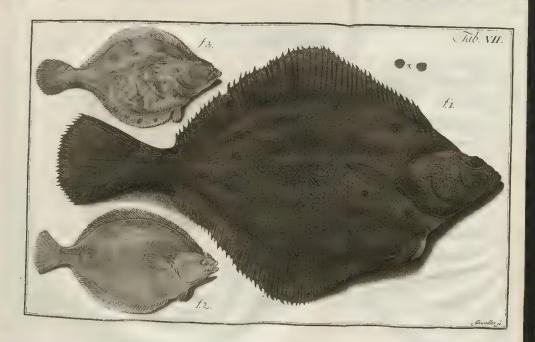




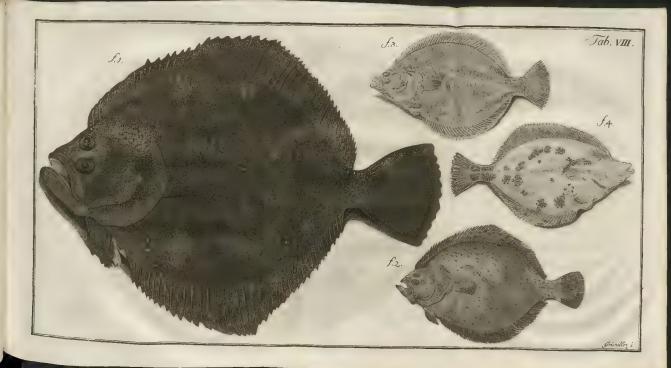


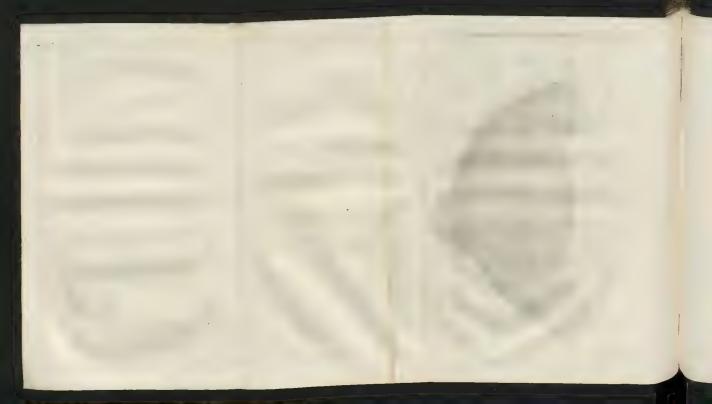


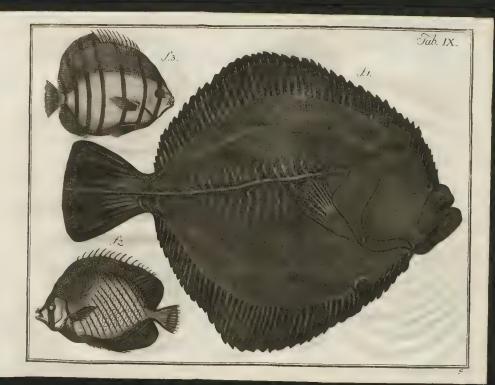




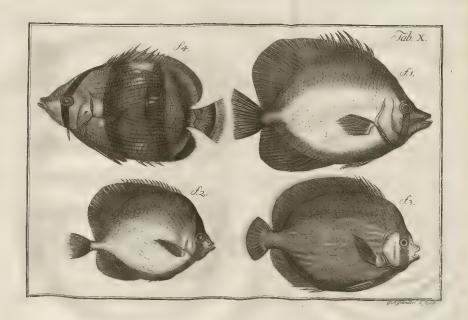


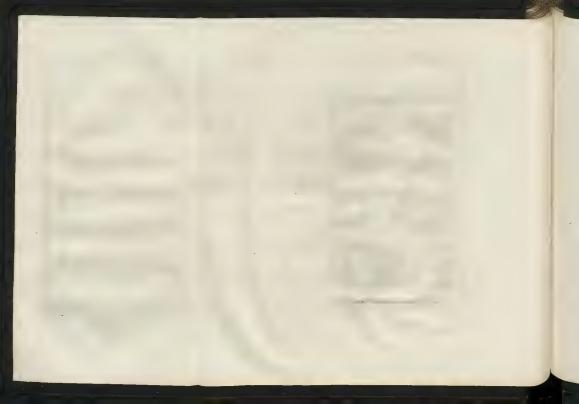


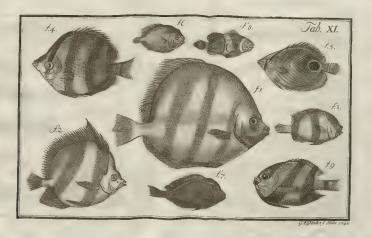


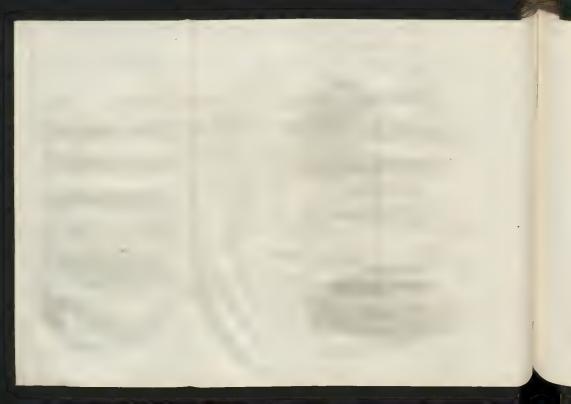






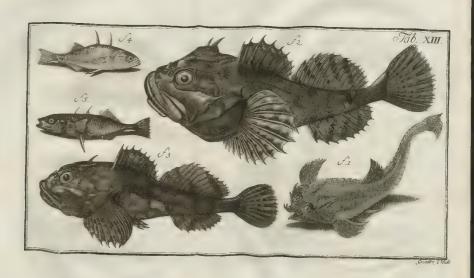




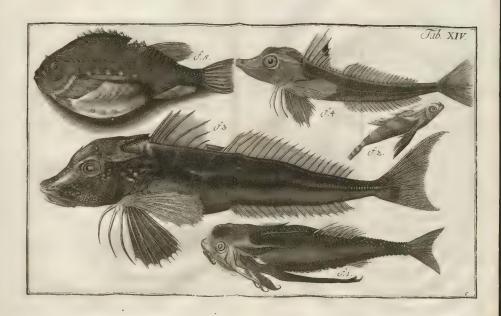




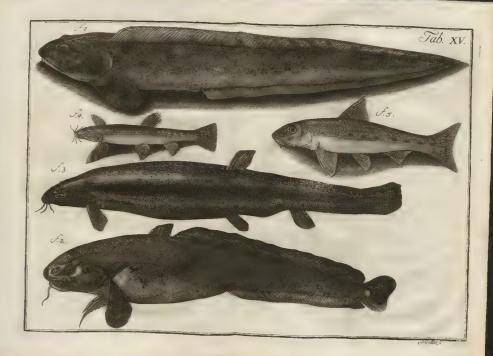












JACOBI THEODORI KLEIN HISTORIÆ PISCIUM NATURALIS

MISSUS QUINTUS ET ULTIMUS
DE

PISCIBUS PER BRANCHIAS APERTAS SPIRANTIBUS. SERIES SECUNDA

ADDITIONIBUS AD MISSUS II. III. IV. EPISTOLA: DE CORNU PISCIS CARINÆ NAVIS

Seneca Ep. 45.
Libros meos tibi mitto: Tu illos lege fie, tanquam verum quaram adhuc, non feiam, & contunietter quaram.

CUM FIGURIS.



GEDANI. LITTERIS SCHREIBERIANIS. 1749.

Hesiodus in Egyots V. 273.

Justitiæ animum adjice; violentiæ vero obliviscere prorsus;
Nam hanc hominibus legem posuit Saturnus.

VIRO

AMPLISSIMO DOCTISSIMO EXPERIENTISSIMO DOMINO DOMINO

CHRISTIANO GOTTLIEB LUDWIGIO

IN ACADEMIA LIPSIENSI
PHISIOLOGIÆ PROF. PUBL. ORDIN. COLLEG. B. M. Y.

AMANTISSIMO

SUI C.d.



onticas habui cunctationis caufas, quo minus intra quadriennium publici juris fecerim

MISSUM hunc in ordine QUINTUM; baud procul abfuit, quin recondidiffem,

ne

ne me superstite in luce apparuisset; sed obtinuit religio votorum, quibus ex umbracrelo ultima in boc genere otia mea evocarunt Amici. TUA quidem consilia maximi apud me ponderis fuerunt, & humanissima officia, quibus in gratiam opusculi TF, addixisti, nunquam dememinisse patiar; ne autem vel post cineres consenescant vivida argumenta benevoli TUI erga me affectus, eadem præsenti epistola nuncupatoria configno. Vale in commoda reipublica literariæ inque bonum eorum, qui TUIS innituntur consiliis; & quoad ipse cursium non confecerim, me amare perge. Dabam e Museo VIII. Id. Nov. 1748.



PISCIBUS BRANCHIAS APERTAS SPIRANTIBUS SERIES SECUNDA

V

6. I.

erfamm adme mer Piece BRANCHENDELOS, five conducter branchenses, quomm V fulcredus in MSSU VV depoluming for quantum V fulcredus in MSSU VV depoluming for quantum fulcredus for totalen fulcredus flagrendere annimaced. The surface totalen fulcredus flagrendere annimaced flagrendere annimaced flagrendere annimaced flagrendere and fulcredus flagrendere and fulcredus flagrendere and fulcredus flagrendere annimaced flag

6. II.

- 2) De philips vel demiredativir elementi autoria non frappe fish condinate, n. pp. LLD-PMM, piferon phigipsus, estigarium, s'anderium, d'anticeration disputation, d'altre armondium. Britaine transit demiration le confine commes, plurituditi, Periar pri se, qualitari partice configuration consoniali, para pri se, qualitari partice configuration configuration configuration production from the configuration configurati
- 3) O dam forcesquestat folgiere ved pervelligare visitate, staliung iden a hébiere piloum folkiere efferencies et de same printe attenum gildem printere ut hereintete ved emmère staliu extrese, Dorfelli On. Youn Greife Wellere Ugilia desse ved taux server em die stalium desserve planne ellere antennence folgieren ut grant per deten i ferente plante et de server de figure mediere plante entre per deten i ferente plante per de denni ferente folgiere de server de figure meter de debates avostes. Palatine plantin plante, no en fili lacezar, de arbeite, ce fixuse a l'outre plante entre no est de conseile entre per de fine de l'estre plantin plante. On est fixuse partini plante, no est fixuse partini plante, no est fixus de l'estre deserve viu a ou evaz quedem train position. Conf.

 § El Resilo. avant passarque, boly.
- e) Philafaphus theam, feombrom &c. laver vocitavit, non tamen exfquames; ad taétum guiari apparent, nilia caada verius capat digitus fracentur; cochas fquamss complicatus, minatis, lav.bus & tenacibus abundare conilae.
- A Non Euchelyapit i. c. corpore volubili; eande faltim remige.
- e) Solem, Pafferes, Rhombo, thombotides, tetragonopris, pistigoffi (M. IV) lad quidem, vetum matabilires plani Et etalas funt: mona Cyprino lato, fire Brama, rei a Caraffia, obiquementi, il fin porro.
- f) Nibitabanese admirem differe fair, utinterpretation Cierce & Planina. Alter funt comportantes in capita Galerana omnumente priform branchapocrphorum & capita attrafferan, Spiniarum, spiniarum of Canachendeloum of Scient qua com functumamodi fine uniformia, fedintes fe diparta, & divertimode figuress; vel renivarespub fire promo fire tubulción. y vel parte quida compositio, differente el acuma finiarespub fire promo fire tubulción. y vel parte quida compositio, differente el acuma principale.

CONSPECTUM omnium, quos superesse credimus, sequenti Tabula exhibemus: FASCICULUS VII harbatus & IV TRIPTERUS: qui CALLARIAS S.BI.vulgo mberbis, 6.V. FASCICULUS VIII penicillis, 6, var PSEUDOTRIPTERUS: qui PELAMYS & VI. pinnulis, Q. VIII. tripterygio dorfo Founda cutacea: TRUTTA, S.XI (dentata, 6, XI. (adipola) MULLUS Sbarbarus, S.XIII. Zumberbis, 6. XIII. CESTREUS Le. Mugd. & XIV. IX DIPTE pinnis ambabus radiatis LABRAX LLupus, V. XV. RUS, 6. XIII. GORIO, 6. XVII. ASPERULUS, 6. XVIII. TRICHIDION, 6. XIX. FASCICULUS X pro prima pinna dorfuali aculcis diferens acuuffinus & robufl.s: GEAUCUS, 6 XXII. PISCIUM PTERUS, 6XXL prater pinnam longam, procedibus in capite BRANquali cristatus: BLENNUS, 6.XXIII. finterrupta: PERCA, 6 XXV. finuofa PERCIS, 6.XXVI dentibus acutis SYNAGRIS, 6. XXIX. Ser. II. HIPPURUS, 5.XXXII. coggusta dentibus latis & obtufis: SARGUS Edentalus CYPRINUS, 6.XXXIV. PROCHILUS, 6.XXXV. MO. . NO. corpore laro & ipino: BRAMA. ad medium barbatus: MYSTUS dorfi LEUCISCUS. 6. XXXVIII. imberbis: XXXVIII. cauda proxima: LUCIUS. 6. XXXIX FASCICULUS XII PSEUDOMONOPTERUS revera: PSEUDOPTERUS, i.e. pinnis omnibus funulatis. 6. XL.

FASCICULUS SEPTIMUS.

PISCIUM BRANCHIIS APERTIS

FASCICULUS SEPTIMUS.

TRUENUS, pinni derlalim respon riber j extrum: pinn leterali pone opereub branchiram verraper mas; chabas the marchir colcen poli anum, qui entre billerim men-tur, plerumque fingument columni contenti entre per columni columni contenti entre plerumque columni co

CALLARIÆ. Eft, vel barbatus vel imberbis.

Afellus; Afinus; \$105, onifous autorum. Gadus Athenei (potius Dorione) & Artedt. Merluenis antiquorum & Salviani. Scarmus, afellus, merlu-208, Merluccia P. Jovii. Merlu, merlang, Gallis, quali maris Lucius. Meriangus, Ægrefinus, Morrhus vulgaris, afeilus maximus, Bellonfi, Morrhaa f. Molva altera, Aldrovandi, Gefneri, Molva, Æglefinus, Roudelet: (qui Ling, Charletom) CALLARIAS, afellorum generis minor, Plant Lib. IX. cap. XVIII. num XXVIII. Lib. XXXII. cap. X. num. 1.111. Bachus major, qui in alto capitur. rahhdetas, Kahhdetas Dortoms & Artl " ti apud Athen. Lib. 7. p. 312. 315. 316. Banch.is & CALLARIAS. To. , per on open sages Opprom Lab. 1 Hal. v. 166. Galaxias ward The padestis, a lacte, quod jecur pite, la leum fit. Curvata Panma, Brafil. C 16sh, Angler. Haldok, Hask, Poor-John, Charleton. Schelli, h. Hollar, is. Cillar, s., Gilerala & Gilaxea, alus, pacis Capnoais Recentes Do Pin ubles, tora a Manblen, fuffirer, emen geoffen Mettfed tragest, the eventer Callarae, five a choroni pra resigns pute bus, ex ventricultime, made or datus, pro mondus & acciforms, Idus, Devid, med en auto & 11 f taranf fameet, west 1 Duffet, accols maris baltligt. Pomanda, Polonis & q r plura fant fynonyma. Mutat ction cognomina ubi capitur, e. g. Greenlandicus, Granfifeh; Terra nova oceani Scorentrionalis, Nord-Sea Cod; Aberdonentis lale inveteratus, Habberdeen, Labberdobn; Islandicus, Kabblaw, Kabbeljau, BACKELJAU, abaculo Ctod. Starbler, infirumento quo utuntur Cerdones ad tenuiter conficiendam alutam, & Can, rus, antiques Germanis (ann oceren, rurger), ca Douer) Bauer Sich, Der, wie fie gebattit, ober mit bem Bacteter, wie bie Der Der Leber praparut merder mus, wo er gut fenn foa, unde & Finten... Cto ?.

Sifae, appellantur. Denominationem ex mente Domini Anderfoni vid. Rins Machrichten von Jeland p. gr. Praparati & venum expoliti: Bart Rifche, Burace Bei jer Bor er Rifthe, Schelfifche, non a Schaldi fluvio (ut putant no. 1 !! ; prope Antwerpiam, fed quod caro, fcheffeth Eleffth, in laminas apu, Visa seldum & laudatum Dn. Auderfonum cit. loco. Ex omnibus placuit antiquiffimum nomen CALLARIAS, inprimis quod afellorum faceres minores, Damudein maris balthici, ex mente potius, quam ex autoritate Darionis, Archefirats, Oppsans, Physis & recentiorum, indivitat cetfe mustelæ affinis Mossiliensis, Callaria dicta, vel Galée sive Cellaria marina Echorat, Tractmarina, Aldrovandi, Phycis Rondelet., pefce fico Italis, il c .- Tench, anglis, afelli non fint (Miffu IV. p. 53. not. b), de quibus (, riton, quod ex anguillarum fint genere; & licet antiqui, prout etiam Rondeletius & Bellonius, in pinnarum numero diffentiant, ut recte monet Aldrovandus p. 287; cum recentiorum onnes in eo conveniant, afellorum non nife duo genera, five duas species, antiquis cognitas fuifie. Sie per GADO, cuius unicus Dorion a) memunit, & MORRHUA five MOLVA tuto utamur generico nomine: CALLARIAS b).

a) Apad Athen. Lib. 7. f. 1rd; a recentioribus Gracis Galdaton dictas, quili yados, antiquum gracum nomen referte volenabus, Salos, fol. 74.

b) Derricht sures confederancha vozal au. 4000, nofel vei 4000 r. Anglossa. Lung Melicach Kun vid. 400 f. Der. no. fer. rende arten. 2002 node delma patter a skilet articles & fante fier polit. Sed, qual van fi ine & Bieret for Lun, n. & Zerne f. mail als griets, a diferen tent, inflamet, vi mi facto care rende filt vei fain (vin/cyp.) nodes references; godi non engetas, nez sone finas acidi pattern, al filt. (vin/cyp.) nodes references; godi non engetas, nez sone finas acidi pattern, direct filt. (vin/cyp.) nodes references; godi non engetas, nez sone finas acidi pattern, direct filt. (vin/cyp.) nodes references; godi non engetas, nez sone finas acidi rund. Salper, com motilis; commance effit, secquent copasson. Acid Acid, i.e. An laber riversgrien. Com autem Lung conference, vei Enget develoria) p. 27. de dieu Articles effet en un filt ingrouvée difense, sone forques; Pattinghé pattern, de control de conference de la conference de conf

CALLARIAS, barbatus. Cirro unico, pendulo e mento.

1. Callarias, fordide olivaceus, maculis flavicantibus varius, linea A 3

Tab I.

CALLARIAS.

laten'i alba. Afellus mujor vulgaris; Codifih or Reeling Willlighb, p. hf. Tab. Lm. in. p. Rg. d. Cod, a Kelling, a Pellust
Charlon. Cabiliau, Cabbeljau, Eskleijau; Bolchi aretichtus,
Stochili Belgis; Denys Zargbraager. Morthus i Molva alera, Aldren. Gefin. Morthus vulgaris; maxima afellorum freeies,
Efilon. Molva, Rondel. Afellus mojor, Schower. Gadus, dorfo
triptergio, oro cirrato, cauda æquali fere, cum radio primo fpinolo, Arteal.

- 2. Callarias barbatus, ex terreo albicons, in lateribus macula nigar, canda pracum divine, suandipulsi misutis, ped actuatifirus dentibus aiperis. Alfuns 1: onos austquorum. Afellus terrius Euter Æglefinus Rondel. Gejh. Ægrefinus Bellund. he Flackoe. W. Hulgabb. p. rps. Tab. L. m. 1. n. 2. Sibbidius, Hiff. auim. m Sevita p. 23. Calistans Plaintj. Schellini Schomer, p. 23, n. 2. Gadus dorfor p. 23. Calistans Plaintj. Schellini Schomer, p. 24, n. 2. Gadus dorfor p. 24. Calistans Plaintj. Schellini Schomer, p. 24, n. 2. Gadus dorfor Java, Hank, Poor-John Charle.
- 3. Callarias barbatura, dilute olivacei coloris, pinnis thoracieis factoris. Biber Billods, Cormbo. Affellus luttus Raji, Willingbb., p. 69. Afellus nucllis latus, whiting Poures Loud. Willingbb. Tab. L. m. I. m. 4. Afellus barbatus, Chorton p. 3. Gadu dorto tripteryglo, ore circuto, officulo pinnerum veneralium, in longum letam producto. Arieda.
- 4. Callarias barbatus, dorfo & lateribus fiper albo & viridi luteſcentibus maculis pictus, ventre & gula argenteis, iride oculorumalba, cauda in extru equali, pinnis ex cinerco virideſcentbus, no-firas. Tab. 1.f. 1. Helenfibus: ③rûn Ŋaamdof, oranes antecedat fipore; quandoque ad 24 pedes exercícens.
- 5. Callerias berbatus, lituris maculsque fuficis varius, gula ventreque ablemtibus, ride fluvicante urgo mustra pinnis ritures, Nelleiu varius & Iritanus, Quodi (Talitus) & Apdiettibori is diversa valeitie varius & Iritanus, Quodi (Talitus) & Apdiettibori is diversa valeitie varius & Iritanus, Quodi (Talitus) & Apdiettibori is diversa varius variu

CALLARIAS.

Squamis minutis & tenacibus lavis. Suecis: Torsk; Linn. Fauna Suec.

- 6. Gullaria barbatus, rodro nigro, iride oculorum alba, ab ceults au dezium utspue caude, infabilum terminants, pinna dorialibus de ultima poli nume rerbirs denfisque lutris ex flavedine nigris, pictus; pinnis baruchibilus, guntrarilibus de prima poli num, ut de extremo wentre albas de nubeculofas; linea lateralrafo, lata, rechajima ano procisima brevis, quito maigo fecunda caude proximas, hare cum teria dorfali fimilis longatudinis de latitudinis. Pifeis toto cospore cultigaco; a pedes de quirque politice longatus; came ardus delicitudis citi inon cit. Helanfibus: bas 3 diagrafia, un bodar fo inangar, da dei a Blanbano (veragua) quod, ad cius infinitali citi inon cit. Helanfibus: bas 3 diagrafia, un didor, vel pictus, vel datos y movemus exponitus; multibi, magnitudinen fect filia D., Cit. d., Jun. 1744, pifes a me antes non vifo; fiquamas habetevidentes, fied valde tenaces. Tab. Hisf. 17-xal dimidio minori na reg fucipute.
- Callarias barbatus, maculis ex rufo in aurantium colorem vergentibus; Helenifibus: @ras@pandeti, quod rarifiime lictora falutat, fed in finu Pucenti, ubi fundus mars, agiss, fueis allisque plantis herbaceis atque filamentofis feracifilmus, conftanter fere degit. Tab. II. f. 2.
- Callarias barbatus, Hornbogen Helen!", quoniam in arcum agitur, cum de hamo folvitur; lingua foluta, quam rehqui habene, carens; non nifi tempore aftivo capitur.
- 9. Callarias barbatus, corpore contracto, cauda finuata. Afellus naaus, cauda finuata, acfi duobus locis luxata vel fracta fuifet, Querge Deife, Acumpter, Seus 146, dux reliquorum afellorum, Schonev. Omine felici capturz amplifilmax, ubi primum prehendutur.
- xo. Callarias barbatus, omnium minimus, ventre, præ reliquis, carinaso (Mat grabillar) branchiarum operculis & maxillis punclatis; dorifo didute futos, ventre fordida labo. A fellus molius minor, atellus omnium minimus Ratis, Withinghb, p. 171. Tab. L. m., 1 n. 2. Anthra Resonala lipecus Randid Goff an Americana; Beldum? Mollo, wzner. Cappelan, Mafili Layent effe Roads dett, jed male; juni fujimans; qua textues qualetta; doefalluss &

CALLARIAS.

tenaciflimas habet. Gadus dorfo tripterggio, ore cirrato; gornore fefcunciali; ano in medio (*) corporis. Artett.

(*) Omnum afelierum anus la medie fere corports, prominulus, fanguinelentus.

CALLARIAS, imberbis.

"Callarnas, dorfo fordide verefecnte; gutturalibus pinnia ablionatibus, relugua & cauda birlia ngircantibus y entre albido, laterabus ex viridi opacis; linea parum arcusta. Afellus virefens, 85/8/mildi, e26-e2per, ocea-berg, e26-ene, qui varietatem habet: Afelti flaviennis, pinnis munoribus, lateribus ex flavo opacis, bland Rébemilde; pedes Réplemide; linea laterali magarecesta. Gadus, dorto triptergido, ore imberbi, maxilla inferiore longiore a), linea laterali acura, Atrenta

a) Failunt liepiffiere maxilles, alteratris plus minus longioribus, brevioribus; ita be exinde licetre fiere perceulolum fie,

- 2. Callarias imberbis, espites & dorfo carbons ad inflar nigicantibus, ventre leviter abbefertes, pinnis colore ad cardieum vergente infectits an, Colvit h Beloni? in rette delerinus. Alcilus vinger, carbonarius, Stolyfilds, Stolyer, Stolona. Willagido, p. 124, Tah. Lun. 1.11, Color-liv, Baunt-Pollali. Callas dorfor triperygio, ore imberbi, mandlla inferiore longiore, & linea laterali reta. Artet.
- 3. Gallarias inherbit, argents [blendoris, dorfo canofeente, adjoin an atsenium radices meath nigra. Estumodi muculus é ad ninas poil anum irrorants habet, incamque lateralem curvatam. Acillus mollis major, fue albust, an Merlanus Roadi, Gefin. 2 Whiting Willighb. p. pp. Tab. L. m. i. n. y. Candidus pr. m.c. Except. 2 David Estinghas: Willing Cabret. William (New York) David Estinghas (New York) Cabret (New York) (New York)
 - Lun. Fauna Stre.

 4. Callaris in Inherbis, media linea duplici (quamularum ferie denticulata; in duriti & laterabus tiuburiefens; in ventre albus & (plendens; tertai pinua doribil longa, ad exorum caude haud long,
 tertain pinua doribil longa, per descriment caude haude,
 tertain pinua doribil longa, per descriment caude haude,
 tertain pinua doribil longa, per descripenta del per la latera pinua p

Delectantur Callaria fauillis cinereis (prolud decruffatis p. 36.) & pubeibus marinis; Horum meliores figuras fuperaddimus Tab. IV. f. A. natuminalculum repræfentat. Aliquantisper (cum pace LECTORIS) a vilm the distribution exerting. Dixinos . pr 1/2 1/0 ct. 1 1/2 ct. (1) 1/2 ct. 1 mile divide ... lum infectum craftaceum, nedum zagzinor Aria, t e. a o and de tratt. "neque caneri nec affaci marini." Sed obstare i dievide i, qui e i piny. nus Dn. Kihanus Stobens (Act. Succ. 1733 P. 79 at all 11 113 .to the state of th & Bromellas (Act. Succ. 1725 p (7 , 1. om n crust ter. m mormorta, g :nere negarunt. Notavit autem Vir præcenens, quod candem, quam vuigares affaci fluviatilis lapilli, habeant figuram hæmifphæream vel orbreulatam, altera Juperficie partum convexa, altera quidem plana, fed impreffi qual figili veftigio parum in medio excavata. « quocari pana, ica imprem qual figili veftigio parum in medio excavata. « quod colligi quoam poft n...) ... menis Julii exactum ad finem Augusti, sed id fieri debeat cum ioher. A. a pectione, cum admodum fragiles fint, ut in ipla extractione facillime confringantur & comminuantur; Addit: "que ipiorum maxima "fragilitas videtur caula pracipua, cur nonantea fuerint oblervati - Difnferre itaque laxiore ejusmodi cohæfione a fluvintiljum aflucorum lapillis ---"illi chim cruftis variis feu ftratis lamellatim coalucrunt; hi vero e fibris adurioribus vice parum arcuntis iuftar fehifti aut tubulariz alicujus laze per a longitudinem junëtis componuntur, licet cundem locum occupent, nimirum mon infra caput ad utrumque stomachi latus.

Re fic comparata, utique ex analogia lapillorum affaci marini & fluviatilis conjicere licet, quod ille pariter ae fluviatilis cruftam fiam deponat, & ex marinorum lapills nova crufta generetut, prout in fluviatilistus generatur crufta nova, ita ut cum lorica feneciam deponana affaci utriusque loci.

Verum re psulo curatus cossiderata, lubenter quidem concedimus, verum effo prius, quod feilbet lapilli amboratu abeatt un crufan, nonta rene quod incedire fo lequatur de pofertius: ambos affacos antipuam deposite loricam. Non negamus lapillos in affacis marmis, neci a dabami vocarnas, generatos al loca fila aminiat undem abite un cerdana, atomit camas, generatos al loca fila aminiat undem abite un cerdana, atomit generatus antipuam de la productiva de la produc

ratur lorica, ut fuccedat in veteris locum. Cum grano falis gustanda funt, que a Du. Autore accepimus; confideranda diverficas fiructura lapillorum. horumque materia vel fubftantia diverfa, que in aftecis marinis facile confringitur & comminuitur. Subflantia loriex affaci marini porro diversa est a fubflantia lacuffris vel fluviatilis; illa ad filiceam propius accedit & fonantem. hac cornea magis; illa duriffima craffa, verrucofa ex fenio atatis; diverim manue lapillorum materiam unque abire in crustam marinorum. hancouse per intus susceptionem prout testa conchyliorum vegetare e); cum infuper nemo hactenus deprehenderit affacum marinum five mutationi proximum five nova gague molli (ut in fluviatilibus) lorica præditum, vel fub grufta, vel antiqua rejecta, neque cruftam integram & antiquam vacuam nifi forte emortuo ani nalia corteram laudanis Dn. Stobeus lapillos frustra que fivit in variis canerorum speciebus, in squelles inque affacis minoribus celatis, vulgo Jungfru Hummers; & polito: dari nilulominus tamen, prout autumamus, in caneris & in fquillis; idem tamen dicendum de his, quod de affacis majoribus marinis in medium protulimus. Sed revertamus in viam! or Mac de re albi.

§ VI.

PISCIUM BRANCHIIS APERTIS

PSEUDO-TRIPTERUS i. e. polt focundam pinoam dorfudem, verfus cudam, pariera es ex oppolito polt pinamani, vel poutus poltaman, nat penuellir filamentolis, aut, ni fallant figura, pinamit vel proceifibus cutamists, ciangularbus et humilibus, quali sederespe dorfum triperspium mentient. Partial telah, E. H. § 5, 3p. p. g. vil. No. no desi acubes dorfi entirem non labburit, rurilisque pinambe in quibuslam founters in utimi verfere, de demo pinama licendina Truta e de Balmari custocam, fine verfere, de demo pinama licendina Truta e de Balmari custocam, fine verfere, de demo pinama licendina Truta e de Balmari custocam, fine verfere, de demo pinama licendina Truta e de Balmari custocam, fine verfere, de demo pinama licendina Vilat e de Balmari custocam, fine verfere, de demo pinama licendina Vilat e de Balmari custocam, fine verfere, de morcellis tripoglatics vida f. VIII. In fine.

PILAMYS. mekanéka Grza Limerám vertit. Plinite Limolins, segé sis se zyaka pare, quod in ceno le occulter? Platratore a grego, quod respectatione per la consideration de seges que de seges se se consideratione. Qui in historia piciam deliciamur, allos lecre non poselt, isrofilme cadem nomina diverifs, ed diverá nomina ilidos lecre non poselt, isrofilme cadem nomina diverifs, ed diverá nomina ilidos lecre non poselt, isrofilme cadem nomina diverifs, ed diverá nomina ilidos mitirales montales que maplicate que amplicate que que amplicate que am

Galeus: res pofie reali fion nominibus, ur Sphifitr & natura contentiolis, reiprocture de nominibus decertandi de caluminiadi occidio. Sie PELA-MYDES & Thunni & Cordyla & Oreyna & Pompyli & Melandria & Scombittaltunture, quod Cordyla vel Cordyla eli decirur Thunnorum fenus, pelanys minor Thunno, Oreynus maximus, & fic porros Nonnalli PELA-MYDEM progener funitenta, 4 ili THUNNOVIM, quibus Tribenem, Synodomdam, Surdam, Pompylum, Melandramı, Somethema Control of the MyDEM progener funitenta, 4 ili THUNNOVI my quibus Tribenem, Synodomdam, Surdam, Pompylum, Melandramı, Somethema Control of the MyDEM progener funitenta, per reliquis (Pennatta naturali magis congruum, qued nobis cum Belania (*) multum abdradumandit, Pedinapde ex per-tur 17 prant originess datere. Dictum Pelanydes five focusiones (passant acreer, nudouque del attumblim compedits, montali is cares videattur; delibiant cocitore, tumque peripicue apparent cum temphrana condesti; undo est, quod da bardinastic harter (nece numeraticum membrana condesti); undo est, quod da bardinastic harter (nece numeraticum membrana condesti; undo est, quod da bardinastic harter (nece numeraticum membrana condesti; undo est, quod da bardinastic harter (nece numeraticum).

(2) Jille "Ago Prismyles com Thombs shquade contail, candangua anolobo labitan figuirmogo depelorder) prants cuboma ac regrede segurides curropa questi indus andemque forma correiras, verom cition Pcinyden rum grends fambre fiquado confessa artivinge codese persarum orienta & crepsu e colom palo Gelerastura elle configera; fie quoque Colius cam Scendros. & Scendroc rum Lectron (Peasi Year) conversaria, interess seams subrevasse Starum (nam. Lectron de Conscinity file pas. 4 de Trijyma artim fiftiatt i mappa peru confere, lectra Sensina Grauce. & Brook Filmos estemados cost.), ble sees en colopione di names. J. Err.

6. VII.

PELAMYS, — peutillis fjuidartiterus; vel quinque, vel ofto, vel decens. Singuli in cotout tenues, ut fitumo dilatentur, mikute dan relipicientibus. Pelamydes pices centoli funt, vel ventre fit cenfor de treut. Dorim in aquis pictumque tiliphemia; exera undas 6 emorai pices plumbeum habent vel cervileum grisque maculs piclum; Prizer pinase dociles, dues latemales, totiden thoraices, unam post atomis hanc peucilites, quas timnam derifician fecundam, exceptum. De late profunde effunt.

1. Pránny, lineis nigris ocho vel novem, a medio dorfo in ventrum centium oblivniu, sevitius capit tendentibus; Interious lividis, cultura de furcata, Februsa vera, feu Thynnus, Artifor, Rondel Pelmys Bellin. Amit Rondeltri (p. 180). de Willingberta n. P. edanys, Thynnus, Limoti Satienti. Thynnus alinz, Belline, p. np. An Welfelth, Peterer's Pedanydem male interprenamie. Sconlers pinnulis octo vel novem b) in extremo dorfo ex fulco ad pinnas ventrales, Artech.

a) Oui

17.6 r.

PELAMYS.

- a) Qui Amiam pro Thynno habet, cum tamen Roudel divertitatem doceat,
- b) Parte: lineas octo vet novem; narn Bellauii Pelanoya non mili quinque panaulas na dorio caldemque poli anum habet; neo metil gos quid panaulas ex folcato dorio ad punas ventades undigitare voluent folcrifilmus autor, qui de Amaim Annichteiri pro Chaeco aquatem p. 175. habet.
- Pelamys, maculis latis & transverfits fith pionis branchialibus fiquamis exalierata; pintulis fex vel leptem; ventre craflo; Sarah Pilmi, Athonei. Pelamys five Sarah Randel. Gefin. Willinghb, p. 179. Tab. M. 1.5. 2. cauda imma. Artedo cadem eft cum pracedente.
- 8. Pelanys, pinna dordiali facunda rubro aut fatro colore, infecta pinnulis octo vel decens i cundo gracifis puna erceleratis Lungs, inta caudam cute in quadratum tenusa. Thyranss feu Thunnus, Eellonu, Gefin Alerse. Orgons Sendet. The Thunnyift, Desparith Moltrol, Willingbb. p. 176. Tab. M. 1. f. 3. quandoque feptem pedes longues.

c) De pealeille 1971/16g/Mejeuz norum, intendum decem, plannin zegeis prope fastis forecedure ad emahan super extendunter. He he extra exagus in finamo di startor, padia longue, catalun péchanitour com menni fagua (27th-A.f., p. s.) non penicials, fed inverta plane forma pannals feu procediu cuescus in external data, in finament article, including control and c

- 4. Pelamyr, lineis obliquis a dorfo, brevibus, & nigris punctis notatis, cranno, ad vitri infter, diaphano, ur optici nervi confpicui fiut, cauda divifa; evidenter fquamata d). Colas Rondel Athen. Gefn. Willughb. p. 132. Tab. M. 1. f. 1. Monedula Gaze.
- d) Squamis integriar parvis & tennibus; Willigtik.
- 5. Pedawy, conpore caffigato; laterhus & capite agentiei, don'to et ceruleo virietà, ngirantabus delibus rella; nucuris di encue. fis; pencellis quinque; enden pinna forcipata. Tah. IV. F. I. Scouber Roude Goffa Bellina Abdatel or Mahamel. Wilkelich, p. 19. Tah. M. 4. Carallo, Soumbras, Masarello, Solatenii, Subrelat nobis; silquando unare balistenni tiggeduri, nofraqua litraro pregatiin faluat; communiter pedalis magnitudinis e). Scomber pinnalus quinque in aesternod ordro poliperegio, analiso brevi ad imum, Artesti. Scomber traits pedrodium viginti, doridium duodecim, Maetir Maheil; Lum, Panna Sure.
- e) Quomodo Collas & Scombrus inter le different, vid Sulviannm fol. 242. fegq. ; 901

PELAMYS,

- tamen unpulat, quod frambrum omn no fquemus carere dinerin. Gie ichnicfter felich geforten verr gebenten, beiten, bie Fefth, fett lieben, febr gut, fonft etwad edlicht.
- 6. Pelausys, acto pennellis in candi tamping, compose pre constitue citigoto, these birarda of catoman popurat since a surrivation for candina constituent per candina constituent pennet citigotomo, candi las das, citas picas, carvala, Kongos Pelfaur H.N.P. p. g. Margas P. P. P. Malos, "S. cal alperese europas residentes a catoma combina, quanti considera e constituente del catoma combinatoria del catoma constituente del catoma cons
- 7. Pelanys, ex abo & fuicovariegata; pinta prima dariali adecreicem bevo, feennda fiper anum pedem longs, imili potamun; potibernchialibus brevibus; ore denticularem consucernos quedam fubbana per integram longitudiame elevata; o carpore minutim finantuc. Albacore five Thyanus, Sloati II., Jans. p. 17. Tab. I. fr. 10.

J. VIII.

- Pelamys, quæ Thynnus, Gefheri p. 962; cujus imaginem venetiis accepit. Bonto, Lufitanis; cundem pilcem cum Pelamyde terna (Spanish Makrel) effe reor a).
- a) Norm om daarn jinnaka urinque na mada apahyka wi entanea wal alipar figuranguiren ma bull centunaa, normaliine. Prace centidas de nominiaren karanguiren ma bull centunaa, normaliine. Prace centidas de nominiaren da leto, aliastiene, formor, ville patrus, setta de vilra, ceptana de leto, Aliastiene, falfraentis, inforplyta is, farcifera, provenhis anythina velud fent tiplis vero, capus iconsumu deda, vel finapietam delenguinen fiultas queres, ielitos dedictorrappiarum orden. de petra periodor de provincia aparticipation del provincia del provincia
- g. Pelamys., que Corretta alba Pijonis, Maregravii & Williaghbeis app. 145. Tab. M. 6.7.1. & in App. Tab. p. 1. de quo; quod Alelli fit magutudine, optimi influper palata fe mutrimenti, caruleis fq.amis in dorlo, argenteis vero in ventre, ac proinde albi Coretti nomen habeat b).
- b) Aster pinvertor 1976 & Astrogravitus, alter Willights, piferent neuter ampliorem descriptionem deskt priore autem ex figures legere bret, owners in eo conveniont, quod esuda pricu vel octo vel parteroribas princola trangolaribus de acutus quali ferrata literatus.

PELAMYS.

- 10. Pelanys, que Coora Pijonis de Wilnebebri app. p. 16. Tab. M. 6. Dictier precedent fimilitina 66 figura ex natura, magnitudina ab illa diveria, pelanydum amiarumque familia adderibenda, ut quantum ab alique actum piere una ocopros receda, rintimualiench in initialidade approprinques, quali prepetuue appareta natura figura de pravos Typnoss, a vere officia nigricanes excels figura ad parvos Typnoss, a vere officia nigricanes excels figura ad parvos Typnoss, a vere officia nigricanes excels figura ad parvos Typnoss, a vere officia nigricanes excels figura ad parvos Typnoss, a vere officia nigricanes excels figura ad parvos Typnoss, a vere officia nigricanes excelsivade externa conferers, ad Amias Pelanydesque potica referenda; notico actua pelanydesque potica referenda; ordina currento, infigurant langua. Expression commente en companyor de companyor de complexitationes, antico prifess del Velanydes branchister, & V.B. dux dorificies, attupe NB, unan vertius podicem exc. que deferipto a figuris ét alieux.
- 11. Pelanya, prima pinna longa, fecunda breviffina contiguis, utunica intercupta videstura, corpore contro figure, duos com dividio pede folorgas pitica. Senathwa majer coroita, Slome In-Jamaie, 2,2. Tab. X. J. 3. communitate Boutto, Boneto dicila, pitica violante suna cum Delphino vexans, quos indefette venanur; an alba Corretta? Idea tibid. Quot autores, tot figuras variantes habemas picitum, qui vocantura Boutit.

6 17

Sic off, fatis perperam multi pifces funt deferipti, ut aliter picti appareent. Satius fuiffet, non pinxiffe, dummodo melius deleripliffent optimi autores; & quo diligentiores fuerint, oblevalle interna; vilcera, inteflua, dentes; imo mores, victum, bellu & duella, migrationes & itinera, congressiones & partes piscium, co in pejus laborarunt, quod collectos, vifos & luftratos e manibus illico dimiferint, perdiderint, cumque aliis confuderint, pullis stabilibus jactis fundamentis, quibus innitendum, ut viturexpositos pro talibus cognosceremus, quales autor vel recte vel fallo vel incautus pronunciavit. Ad tædium usque legimus, Saurum familem effe Trachuro, Trachurum Pelamydi, Amiam Thynno, Thynnum Lacerto; quare? quia pylori, lienes, inteffina tenuia & alia interanea fibi invicem respondent; fie Oedipo potius quam Davo opus est, fi inter fe omnes dignolei debeant. Sane multæ figuræ nihil valent, plurimæ post fata autorum ab alus, vel minus doctis vel ex schematibus lucrum quarentibus & improba manu expressa ut divinare non liceat, ectypa an vero spectra & corpora identica fint. Plurimum l'enthyologi critici altercantur de nominibus, de

antiquorum nomenclatura in coens in tricliniis ufitata, ut feniffime viz enflare l.ceat pifces, nedum digito monfrari & dieser: Hic eff; Ne dieamus de 10. ctris, quali & inter Thunnos unpolius nobis Aldrovandus ex freto berculeo, in cuius corio triremes exsculpte. Salvianus Saurom fium five Tarantolam (fol. 241.) quem & Lacertum dieit, & cum quo fape confunditur Pelamys, duos habere feribit pinnas dorfales; verum, & ejus figura Sauri & altera Aldrovandi non nifi unicam erigunt pinnam; pariter Trachuri, fub Saure titulo, figura apud Salusanum fol, 70, fi conference cum deferiprione pricis & cum iconibus Trachuri altorum autorum, dubius manet pifeis. Idem Salvianus fol. 70. Sphyranam vel Sudim duas pionas in dorfo habere feribit. & tamen non mfi unicam in paters figura oftendit; cum e contra Willinghbejus Tab. R. 2. Sudim Salviani in copia exhibens duas pinnas dorfuales fieri fecit, ne quidem vel de errore Salviani vel de fua, quam correxit, figura, monens, ut referre liceret, num recte descripserit nitcem. cum male pinxerit, vel vice verfa. Interim Pelamydum numeros shis VII. & VIII, continuavimus, in casum, quod pictura pinnularum nos fesellerine fi quando curanea non effent fed filamentoix figura triangulari difpofitx, ut revers penicillos dixeris. Caufam dubitationis haufimus ex figura Pelannadis XIme apud Sleanum all Joen, ubi triangulares processes ex diferetis filamentis conflare fufpicati fumus.

PISCIUM BRANCHIIS APERTIS

PTERUS pinnis dorfalibus revera duabus.

Diperorum alri primam pinnam ariftis influctara in medio dorfo, fecundam parvam adipodam nulisque noisis fuffulam in extremo dorfo, a) engunt, qua nota ab ornaitus picipus mos driftieguintur; alri ambas dortuales arrils predictes, primamplerumque acquetass, fecundam plerumque raides une medio benefit de la fecundam plerumque raides une monte benefit de la fecundam plerumque raides une monte benefit de la fecundam plerumque raides une monte se hebre. Il liferato familia nobis TRUTTARUM nomine venit b). Ex borum familia nobis TRUTTARUM nomine venit b). Ex borum

2. accessos precessos mais traina failates paras ella cepts, unde ella, cead passas vataceso. Firster desistes antesense popular contractiva del contractiv

custons Submous aftern profiles , quied alexen joines Dijeterserum , fire fit estillagions for earlitut editions. Se elevant oper membranes officious largiques fit en no comprehendes, que joine fecondam Submous pursans realle membranessem, philosom de adoqui esta monerarent amendiam del biomidir. Aqua monerarent amendiam del biomidir. Aqua monerarent amendiam del monerarent amendiam del monerarent amendiam del monerarent amendiam affiam in equile habere fin attenti opinious absent consistentiam del monerarent amendiam affiam in equile habere fin attenti opinious absent consistentiam del monerarent amendiam affiam affiam del monerarent amendiam affiam affiam

6) Earon nora characteristica adeo evident & generalis eft, un nulla dilucidatione indigeat. Various nomina apud autores, trahunturque ad lice geous; Salmones, Salmam , Public K. Tratta Robrest Forint, Portones, Umbla, Carpiones, Scimonatar, Eperlani, Spirmeln, Albula, Bezala, Thymi &c. Malumus cum Geffrece p. 1989, Wilinghbeja, Raje & allas recensorum nomen genericum TRUTTA. quan Salmenis mancupare. Froftam habte Atlantas piferm aliquando goo librarum com Delekinst pugnantem, & condem cum Amia : Romanu truttarum magna copia fisit, que nomine autem appellaverint truttas, incertum ells nec facile afficmantium, anguit P. Wmest o. vr. quis Trocta remanis antiquitus; cum continuo Salmones ab il ja dispunce ent , & credibile eff., Trusses fluviantes & lacuffres , pifees deniatos & racaciffictor. cum luvis conflidiffe, laporque varios dixiffe. Solus ex latinio ambrofius croflam appellant trutters. Interm tamen principibus populas, stalia, pallia, britannia, per-Hispalenin: "giftium nonnulii a colore appellantur - & vien, a verietate. ques yulgo Tential yount u. Sic P. Falerianus L. g. de remed. Pifers de flumme, nun petram habent, ut Trusti, fqualei, comede. Alexander Bendiffus compore petra Trustam flaviatuem commendat. Anud deliename pyruntes appellentus Trusta. §. XI.

TRUTTA - altera pinna dorfali cutacea; Dipterus pifeis.

Prater duas in dorfo, totadem ad branchias & at ventre habet pinnas, mann poft anum, interruse. Sunt ved dentates vel edentate. Alle plentanes de in maxillis & in palato, & in particula illa carthagunea vel multeulofa vel offen, que lingua dicitur, recurvis vel ha naris dentibus sbundant.

Daniero

1. Turtas tota sugentea; maculis fabeinereia a dorfo fabrifico ultra lineam 6 in junta doriálbus conagena — (quandoque rabirs sur flavientibus aut aures paseulis pictu) a). Salmo autorum, m magnam molem excerelena. "Tab. V.f., a Salmo carrectum, at gariena, foglatul, fasil p. 65. Salmo debengréda, Salatun fol. 100 Willingsberg) p. 93. Salmon the Crep. p. 129 filamaris establication. "Willingsberg" p. 93. Salmon the Crep. p. 129 filamaris establication, carrectum salitim super portuguida. Apreta — Salmo volto ultra unitariente maculian sipo portuguida. Apreta — Salmo volto ultra unitariente maculian sipo portuguida. Apreta — Salmo volto ultra unitariente maculian sipo portuguida.

TRUTTA

a) Pen varietatibus filmendi , fic & cochi Salmones cinerei pleromque olbidam, qui maculus rubrus plerumque escreter rubeferntem babent, infurnati ornues rubent, nee overs Samonta maculis punices qui effe forent, femper font maculoft, Willieghb. p. 159 8 198. Johnsonins putat a mare adventantes in flumma maralla carere. quas pollea mora so aguis dolcibus contrahans. Conf. Dr. Deslandes recued de dife. ferras traités de pinfique p. 186, que observatfe duje; , un peut corre rouge dans " ettomac des plutieurs baumons, aflez femblable à une grappe de grofeille, que ce-, doit faculement four les dorges, exinde coloren rubeum affectare Salmonre air. G in agri enquantur, in parter vero fecuter tubro colore carere, hoc samen fallit, itaque rubos a corpulculo ala rabro in Stomacho derivara negunt : forte corpulculum und rubrum, digito facile friabile, extravalata, & ex violento quo pifes captus agnatur corporis mota, vel perculfus & necatus, in cruotem reducta portio fancinea fout. Randelerme maculas ruocas vei flavas ex femo contrahs exclusivos. Cortura rue Bavicantes de ingricantes rubris macolis, Schwarzfohreit, Lachefoliren, Giolie fobren, ab albis matulis Bachfebren in co differe comperuit, good illis rollrum fit acution, & veluti in Ponte matula nigra, albae minores fint, & came minus flive-Reore, Williamste, volt, carness Salmonis, priusquam coquator, albicare, co Cam wel falgam ratiofiere ; fed experientia cultures fapius contrarium doces. Raudelerius fimoliciter Salmonis carners subram elle ait. Alis mares dicant rubris morolis carnenec. Als formulas præ maribus gaudere ; fed genistismus hate omnia ad plenforein Truttatum biflorium. Interim Febufenus coutelain propenie; ula Salmonum & "Truttarum speciebus diflinguendis nimium ne crede colori; nam is pro tempessace wanni, our squarum diverfitare, mirum in modum variat. Consertano ed mini. "Salmones ex Oceano occidentali reduces - colore lucido elle & fubcarulen, neo a ul'is omnino macalis varios. At vero, qui ex occuso otientali Telan de Sivelan flat weres afcendant, maculafos effe. Utrique ramen in fluvils & aquis dukibus distrus commercantes decolores fione, maciferes evadunt (force immemparis mis eva um finminient departure) & perficults infestation. Quin partus tempore exterius scabere pleramque foient, albere intue. Add t Rajus, dictarnique in finera mora Salmones emacrari, plenque hillorne pilinum Semptores confentiune. Unde Randele gram errafte judicamus, quod Salmones fin pliciter pinguefeentes in fluyits dozene. non hab to refuects ad after alian temporis, quo ova deconunc ; nom has certum ell, nullam pifeem yel guilu valere tempore oviflusia, quin ve fostio ovatuor hebdomadum opus fiabeat, pro reconcilianda corpolentia fur, & guffur dulcedine das

2. Turtia denten 1610 corpore, ventre extremo excepto, errbri as duveris characterista se lluvare cinabarinia faissique vario, maes didude inferioris extremitate infigniter fannata & in finientorioris extremitate infigniter fannata & in finientorioris internate lo dentum laco marchia pisto schule ferentia, Tab. V, F.2. r. k. L. Cadelovelte, Smighto, Shichianate, Smianate, Reinioper. Have L. Cadelovelte, Smighto, Shichianate, Smianate, Reinioper.

Tab. V

TRUTTA

Trutta Saimonata nono 1661. d. 14. Jan. in Modavin intra Civitatoni Gedaneniem prope hortum noftsum, ad locum qui Byadenti vocature, indi glacie capita da libras pendensi, longindinie 42 pollece Superans. Hujus figuram, locet non ex omni parte abbloletam, yidelis rister tabulus Gedvundidansi, nondum ediras. Smolis el Saimons, macuire citemelterificis pielo, fed maxillis equalibas e) Marghith Op. Dan. Tum. IV. 10h. 27.

b. P. A. S. L. C. S. S. S. Colordous & od untaratem public magnet ad mem a Sam August et al. (no. 1942). Anno 1661. d. 14. Institut Phylodelloff a no. 1942 for the Dec Westlands tee 100 for beth beth Peak and gefaugen work between and noncommunity of the sec. (1889).

 Trutta dentata, lincis latenilibus punchatis firfium recurvis: roftro recurvo. Umbla prior, Roudelet: capite liveletiene, is macro sam objectalis macro less. Sincia y 1 cas in lens Memorito p. 99, 2 no. 1 decis Generi.
 Salmo mies socialidas acus II est Louri il lacus Generi.
 Salmo mies socialidas acus II est, est, cada bilurea. Artedi.

 Tratta dantata, ventre rubicundo, maxilla inferioris extremo incurvo, dorfo ex carrileo mericunte; in infigo-m mag nadasem excretecas d). Umbla altera Road-t. Ggn. Umbl): the shert lacus Leman; Willingth, p. 195, Tab, N. 1, f. 2. Marfillus tres observated Umblas D. Dans, R.2. Tab, R. 2, 2, 4.

d) Nella Misola, ed intorno a Tellia nell'Albi li maggiori salmoni aftendono da 24 a 35 labre; nell'Eversa preifo Zug alle volte fo tre poglismo di 40 libre; abr. serpetra i, morre delle mararo, della matura p. 362, cont Wight Ottre Erggeb, XIV.

 Trutta dentata, lateribus, ventre & pinnis maculis Ravicantibus prêtis; dorfo nigruente; Salvelin Germ. Salmo pedalis, maxilla fuperiore longiore. Art.

 Trutta dentata, dorfo e vividi olivaceo, maculis albicantibus fubobfouris, pinnis pronis rubefoentibus. Usabla minor Aldron. Gesn.

THE PROPERTY A

Torgoch Walter Reutele Germante aut Roetele; Willingbb, p. 196, 2nn. 5.2 Thur, in a tenant figura non indoet, nec macules allocated a broad of the property of Could a control to the state of the property of the state of the state of the property of the p

7 Tive sentan, raftro excelefenne & prominente, dorfo cinerito, 20 1 10 gil vario, hetroita, & werine appeteis, cranio pelluci, and sentante excelentation ordinabas in palso ci and carpio Benefits, P. Josef Carpios Sale for the Carpio Sale and Carpio Carpio Sale and Carpio Carpio Sale Carpio Sa

Che beve malvalia & mangia Carpion In capo d'an va in prigion.

e Planes Trattic habent & dentium ordate, patero.

8. Trutta dentata, dorio & enpire dubte ex viridi carulefeenibus; maculus ingres undeque & in puna adipola alpenă. Verii serve, mitteen cunde macularum orde transverties; cauda forcejara. Trutta Salmonta Gallerum. Trutta Buerfirs Gern. Alfren. A Salmon, Trutt Willioph, p. 198. Tab. N. 4, 5, 7, 5. Salmo cauda beforea, maculas folum nigrs, falco longitudinili to runte.

9 Teuts dentan, vel nigris mesulis parvi, vel nigre & rabris siberia, ventre aggreteo. Si masolas nigra kibar, fron pros, freer, Swell, Gedan, Si nigris & rubris confiperit, ergorres, quit igus, vel netens, Gishipe, Gedanefilus Cadeller, Tab. V. 7, 3, 740 ym Yreifin, Berry-Gedourre find the Statistica Moundy, Cadellerus for gide, Cadellerus paulio longiore, months rabris, Arras. Salmo macilla interiore paulo longiore, months rabris, Arras. Salmo macilla interiore paulo longiore, months rabris, Arras. Salmo macilla interiore. Roud. Belline, California, STONE Williadh, pp. 716-18. April, 7, Trutta Marylii Op. Dan, Ton. IV. Tab. pp. 120-18. April, 7, Trutta Marylii Op. Dan, Ton. IV. Tab. Innumera inta & cetta Gedanung quotamois machur.

10. Trutta dentata, ore valde filfo, dentibus innumeris in utraque maxilla; inferiore longiore; fiquamis mediocribus, fiufcisque; ventre per untegram longitudieme albo, cauda furcata; iride rubente. Saurus ex cinereo nigricans; the Sea Sparrow-Hawik, Caterbein, 2, 2)

Tab.

TRUTTA

f) Saures maximus non maculatus, the Sea Colliverip, or Scinfish Sleeni p. 284. Telestr. f. t. unicam pinnam habet in medio dorft; force alteram outaceum non observar vit Illuftr. anier.

11. Tratas famats, dorfú a bifure cineritio, yenne argenes, finamas delarentus, cutula historia y odros girlutanos ferinos. Finamas famatidas del como del c

. XII.

12. Trutta eientula, tona angenesa, femidiphana, pletumque rüum raro quinque unaturun; recens ingorat odoris; kluen elbus puperum, qoam tenen & divites, lufullo ex aesto & buyro ferveineko, alequando appetunts piciotula cum offilosa & viticobius condientendus, qui percopaiva remo pifestus edulium gaudet. Stincus vulgo; probje Celmi. Abalia minima Geor, veriences vielentare, vulgo; probje Celmi. Abalia minima Geor, veriences vielentare, con consultata de la coregona e cleatulus, maxilla inferiore longiore, Arriedt Stuty & Cittata. (Nonquittat. Cohorue, p. 7).

3. Twatra eduntula, doció ce vinidi-caruleo & argenteo reflendente, laterbus carinais, pol lineam tota argenteo, ventre culestina. Albula Gedan-Bette E6th, Pomerants. Tab. VI, f. s., an Ivera lesus Leman deferitos Generes fimilis, Rambiere Whilebeb, 187, an Albula nobilis Schoner, è ur pent Repts, Willinghi, ib. Curimare Benillienfum Marcagoui finalis. Corgonos marqli fippenore longiore plana, pinna dorfi officulorum quatuordecima. Artel.

Trutta edentula, maxilla fuperiore rotundata, inferiorem fuperante. Oscrinchus, Hautlin & Outin, Flaudriss Rondeletti, Gesn. Aldrov. Williaghb. p. 187. Tab. N. 1. f. 3. Coregonus maxilla fuperiore longiore, conica; Artedi. 2)

g) s'ingitut dotfo eripteregio; lie & aquel aldrocambus pinnis tribus innequalibus ipatis a fe in vicem distantibus. Sed ad hece Willingbogs, win Hollandia Bequens una

TRUTTA

a, com a fello weit; him bete social serand in numero pinaszan dedi; Rendelorius, activa numero Cert relayi idinyographi tere desis planta perperan atribanti, de quals fuga: «Inter Commence volume del planta della serializio indicion mercini qualta forta in altra finanza controli planta della serializio della controli produce della serializioni della controli produce della serializioni dell

15. Tratta edetuda, lobits, pro deutibus, lime ad inflar exaferatis, water plano, dorie repando de in acumen contrado, figamis via cennello. Elégt, Parida. 2816, Alfah Margilit. Umbra flavatilité Victora, Rand. Eril. Lavarenta, Themero, de Thymeat, Beldon Thymas Galdan J. you Thymalus, Alefan. Thymas Galdan J. yo. Thymalus, Alefan. Thymas Galdan J. Y. Lawar Galdan, Alefan. The Company of the C

16. Trutta edentula, argentea tota, Equania tenuibus; inferiori maodibula relima. Marena, Murenecha Schouzetali. Suaren noftras Tab. VI. f. 2. melius Moryan; ibbula Selicina laculineis forte picies via. na Bavara Ametan uncupanta. Arafler Truttir Xeçlen, J. Th. VI. 2. p. 29. Picies Gelicatus, vel lie vel fumo codus, cupius incredibilis multitudoi in incubus Caffolia; Sub giacia capitur, mortem illico fibbiess, liberi paeris imparantifilmus.

 Trutta edentula, inferiori labio lunato, membranofo, ad latera oris utritique in cirrum definente: pinna cutanea prope caudam, fijina corruculata falta; capite ad inclum hitipido, colore dilute croceo maculofus. Guacari Marege. Williaghb. p. 277.

6. XIII

DIPTERORUM, pinnis dorfalibus radiatis, plus minus aculeatis, hactenus VII. genera offendimus, quorum

1 MULLUS. Inter cataphraCtos & Coriftinees, five pifices galeatos, (Miffo IV.) enculos quidem, covos, biroudines, mitosi, Lyras, Lacerna autorum bimuse, quoc Arectus TRIGLARUM nomine inveftivit, millos tamen Mullos; cum Mullus patino & veterbas 176-30 & eccentioribus Triglia audant, Italia Triglia; unde

MULTITIS

& Sabishanus fimilitadinems Histoaldinis, euenii & mulli improbat, & mullum neque euun euunquo neque euun huudinen elimin fimilitatudinen habere teifatur. Sant autem MULLI capite veritis os valde deelivi, ad latera compretio, toto glabro, non aculetaco (grout fant estaphinedi & Corifitiones), marallis ad himz influr aiperas, dorfo non culetlaro, fed plano & lato y el flavi, quod tint vivi, desquanata vero tincli titinto y vel toti fanguinei, poli turcien auren livo flavi y el rintri, maralia nigita, vit ingustamente sono elle ello, ello plano & lato y el flavi, quod ello della dell

- 1. Mellus Iarbatus, cirris duobus fils mento, in cavitate fils inferiore mandibulis, fir érdells, l'artimubus, caloire fairisonet c defiquamants rebreta tanélus y pinns dorfalibus fibis, turspara mac. Liss, fit filsmon patito efficiels inferent du capital sipren. Mu sa antiquorum. Mellus beröntus Galeni, Pluni, Josei, Rond Grin Alfors. et éyés Grecti. Mellus Belloni. Barbon, V. ments, Yrelga reingus Italis. Willieghb. p. 23; Tab. 5, 7, 7, 2. Trigia cunitre glabor. a), cricis genuins in mestalis inference. Artecti. Mullus maris behiviel pinni longtudimen rano inperet, lineis & maculis messes purpuraque pelus. Plenemanterin, Golecota, Schorvella.
 - a) Ad diffined onem Cueulorum, corverum, Lyrarum &c. quos pariter oc mulles vocant. Triglar
- 2. Mullus berbatus, pinnis dorfalibas colore floro & ministo na less contectum inde munusta, luper liquamis caralteribus quater inneaus. Mullus major Milagabeji, p. 235, Tub. 8, 7, 7, 1, & Sahiram fal. 37. Surmulike Gallia & Carmidense: Mullus hipamicus major, Alaron. Overeše Robetary, Germ. Grener Redebard, Truz Pullet, Aughts. Trigla, capitu glubro, lucis utriaque quatuor luteus longitudinalibus parallelis, Artu pullet.
- 3. Minitus burbatus, tonus linguineus, post mortem in aureum ved flavum munnas, ad intera trimque maedis tribus ovabbus, nigris, in ordine rec'llineis; iride de extremator entade Buvis. Firametem Pajous p. 66. Marcycanis p. 1976. Autre position de Rock, Rachefort. 68 du Terre Et. des libes Anni, Smaller Redbeard 3 Leffer Mullet. Andl. Tabl. VII. 6.

4. Mullus

MULTUS

- 4. Mollus mikerbis, per totum corpus rubore perfufus, fine maculte, and corporation dortali circa centeum gravitatis fita, fee influedate and corporation for the corporation of the
- 1) His: Cum pifestores Mellarum Regem appetavernet, plantmesque accidentious cum to prescout of 1887 process arts a conferent pateble, reclaus, me judice, Autori sud risks discourt, quaemies govern Rendelssium fish en control exhibet, occults control exhibit contr
- 5 Modur imberbis, ex argenteis thalaffinisque in nigrum colorem vergentibus macults amplis, quati ephippiatis, variegatus; cyanea linea ad dorfun, dorfoe ex exuleo aureo. Pifets anonymus Martgram p. 133. Pinna mues ad infaat foliorum papavers tenues. is, 31. (CON LES exerclus? c).

(71V.

II. CESTREUS

secole Mugil a Gaza veritur; & per cocallentan in undi mugilim primat; deflecto mans sorte game mengitum value i pecies. Alter secoles, capito Romanis, & Rochas & Lordon i pecies. Alter secoles, capito Romanis, & Rochas & Lordon i pecies. P. Hours e por X por gene review 2 2 s. 1. Nec. 2011. at 2 s. 1. Secole 1 s. 1. Nec. 2011. at 2 s. 1. Secole 1 s. 1. Nec. 2011. at 2 s. 1. Secole 1 s. 1. Sec

Calvers, seus rejando écliròvies «L., ventre albo, enpire latiore e sorom capitalus, ocu pro escrive tam cardis infects, ut palpelram discress lines, secchius agris, espoblaus Roudete. Ocbidals fei umqil, Bellia, secchius agris, espoblaus Roudete. Oc-Williaghb. p. 274. Tab. a. Gen. 3 a. Budley, Angles. Multes, Galhir, cets. Mugil Artedi.

CESTREUS

- Cestreus, capite acutiore, lineis brevioribus. Cestreus Rondel. Gesn. unde a primo differat vid. Rondel. p. 263. Cum Williagbbejo & Artedo cundem decimus ambos.
- Cefireur argenteus, grifeis lineis intertextis; oculis ellypticis; pinnis albeantibus, prima dorfuili maxima. Mugil americanus; Parlor Belgiri Harder Maregravit. Willighb. p. 276. Tab. R. 4. f. f.; Att Maregraviti, puicen carere branchis, led vide reiponisonem Rafi apud Willighb. p. 276.
- 4. Cofferus circa labia & branchiarum opercula rubeficens. Bachus Dortonus, Muco, Myxon, Mugil, Randa (Gru. Willieghb, p. 296. Ciudon, Muxo autorium, Artesta. Tertia mughum pecies sulvinati, 2x84: a. Laboe, muglum pecies prima Salactant 74:77.b. P. arres Salviantus recunité tipecies ; fad concludit : omnes ab antiquat conditionats muglium pécies nobles (organise non cifc, fol.76, b. a)
 - a) Nota : quod mugil niger Rendelerii non fit mugil, fed Glantua.
- Coffreus, vertuca în mento D); altera pinna dorfali longa e) 23 aut 24 radiorum; capite inlignuter fiquamolo d), maxilla lispertore longiore; tribus foramunibus în inferiori extrema. Umbra Romdeletis p. 133, Generi; Chromis Relloni, Willaghb, p. 299. Sciana e) maxilla lispertore longiore, circola in inferore, Artedi.
 - Brillinghi barbolam exigane & digiti longam vorst. Sed verroew, quam vorst. Rondelet. anglit fiontis eft, quain barbie.
 - e) Areedus Gen. XXIX. dich p-nam in dorfo unicam, fed builde fimilem. Rondel. Be Wittight. dues contigues pinnes.
 - d) In umbra fquama: capitis multa: & parva, pre ell edentolo, Rondel.

toriles prifes probatis agnota, recenfet

c) Satters, a solver eligenfestes Zhalama diestar. Nollem a folse ceiter genas formunes, quad ferri muns surplan, om under plant former fines, i.e. superfrieses vet alendoulm digificatione. Didpoints attentes de andrea, américas de Creatine, de Enderma de Contration adelesar de la Contration de destar de la contration de la

S. XV.

HL LARRAY \$ XV.

De nomme wetert greco vid. Genorum, Salvianum & LUPI'S Latini & Ommbus autoribus lehthyographis: Rondel, Bellon, ands Gern Alferon, P. Geola. Brochini, vonet Soczysł Rome, a Bris. Alan! Roman dero notus, as chaire Hann I'll VI. Alan P. Miller, and a Bris. Alan! Roma adeo notus, as chaire Hann I'll VI. Alan P. Miller, and pal Acipenferen piles anderier toolbilifionus. 2) & cm ci ylan it sman son I accesso pro Lupo habets dis Sphyrman, rurfus and venetorum Valoro. Pinnas highet tos, quot Generale, Malliss spharmas ferratus son sugmun plumistenucifiumsone demicialis, sun multiplic ordine munition. D'I'lls' so vocalifinus.

- .) Ettar " Kondere, in es .. as vagnam flor dentibus dixeit, vid. 6. t. fapra nos. a.
- 1. Lelivers, five Lupus, dorfo cerulto oc albo, ventre candido: Alter nigra menulis strate, after finestils, intries five Inneura d'am-dore mollitarque cerulis e): an escrete det arte offerentes peter en la proposition de frecut uneo acuco infloitates post mun ternis ecolesi minas. Ad libras vignita Lupum exervité vidit. Ordonor foi nog. Pero d'y redis prune dorable ricennes tredecim de questorestem de trait. Alpus Willinghle, art. Lab. R. L. y. Labertonia.
- c Autore Plinis Lib. 1 . 1 PH
- e' Sed quid & Boltenann audient, LUPUM diei PERCAM; non ed trahi poste infra
- 2. Lafarex, pinnis dorfilitus equalibus, tres digitos longis; anteriori firmus lipitos ditulentani, fir inman reponibili; polyteriore finisplici; frequentis argenteus aureo colori admartis y ardinis plas tumo peteo ore feet digitos longo fernilucioni superiori producti anteriori argundaria (argundaria) argundaria

IV. SPHYRÆNA 6.

§. XVI.

A e *cos, tel genere, vel palo, finiulo aut flylo; corpore el figus, tel, a figuro, cupt; a pour lo a rollro caneato, ore refere si canada de la compania del compania del compania de la compania de la compania del compania

with a companie granically to in Equation quas declarate sales and & Y to the Second sector of the policy of Second sector of the policy of Second sector of the sector of

2 Spl. p. cos., financia equalbous, in inferenci mandabula ad angulum attrause, quantor, au cettu miteo, au fingerone quature dembor manusus, samubus exautitums. Oculu nigris, fede alba; prum in dorio brevibus tringularibus. Urahla minor, parios, macilia; longoribus; i Barroacad Catesbey Tom. II. p. a. Slama lim. Jan., p. 287. Tah. 247, f. 3. Raj. ya., p. 58. Est. Slama lim. Jan., for the property of the property of the control of the property of the Tetres de Fréfiers de Lubat. Paricoas Hifpants; pinnis feprem.

6 VVII

v. GOBIO

Cobio Plin. ualsée, gracis. Goo venets. Govion de mer. Gallis. Plics et manines; cum flevamilium gobbonum mulis apud veteres genesos inabeur mentos, suego veterbus lutais cognit flevami estados per la propertio de la prop CORIC

2. Cum minore, a Parti Sermantar full arg. pulcon moltrum functioner Ordinance function of the control of th

The reference regiments is colories

United, of a feeling of the control of the control

e post so at grand constitution and the constitution of the consti

115

J. Gabba, branchiamun operculis & wenter flavicantibus, corpore fution & alloquene well flavorantes i false a capite al prima a prima is prima in prima i

en In iconsimo Saltarani erronee tres pintos dorfales pictos aboarent-

2 Gobio, colore corporis dilutiore; anteriori punta dorfall linea lutea granverià notatà; fottida e anter minus profunde; membrana in runtire pina humiliore; vicieure morietai precedentir. God. o. General mirrora mozanus Arecens, Roudel. Wilnighto. p. 2007.
General, Roudel. Wilnighto. p. 2007.
Grant Bernard Gordali printing. Arrecht. 18264; 5 Aberts.

3. Gebra, nediti in nuteriore dordi pinno fijum membranas connectentes ditus affragenthus, fetturu ad inflar ji inde oculorum argentes, tenum avitatili ton carades, reliquis in filmmiritate antitum cuere. Joros Salvamis, an abust Randizielli Villagio, p. 20. Godinas pinno venerul, casa e pagamenti? Idea Tab. Nr. 15-4. Godinas pinno venerul, carado ciliculas pinno dorditis liqui nembranga afforquethos, Artel.

2 4. Gobio

21 0.0

Lak

GORIO

- 4. Gebie vir 1½ longus, in pinus dorit & Interibus transverii fuicis varius; copros lemidialpuno; dorio lamusculo, vente pun pedente; decite; decite; decite prominentibus alidinos primus finus fost destama, colores Aldrew, Rendel, Mario omnet, & Pigna. etc. 3. 4. Voj. 229. (Gobiss Aldrew, Rendel, Mario omnet, & Pigna. etc. 114 gele p. 229. (Gobiss Aldrew, Rendel, Mario omnet, & Pigna. etc. 114 gele p. 229. (Gobiss Aldrew, Rendel, Mario omnet, & Pigna. etc.).
 - 2) Applie Le Authorité, quali non naire e magnifique, nima public corpore, vel aum nomes control control de la fifth qual afortat, que e en actribian, es que en actribian, es que en actribian, es que en actribian, es que en actribian de la firma de la fir
- Gobio candidus, aliquando rubefeens, nigricantibus oculis; in Ligulfico littore; quem Randel. Aphyam veram vocat; a rubedine Roffetti, ab albedine Bianchetti Genuens. Pedei nuovi, Rome, Bellonii. Apud nos albercum.

6. XVIII.

VI. ASPIRULUS. ASPREDO. Bindel, Bangel, Strever.

Ex Iquamis parvis, duris & elevatis aiper; ventre æqualiter in caudam gracileicente; capite macro, fuperne & ad latera preffo; pinnis in dorfo æqualis magunudinis; aculeans; duabus branchialibus, totidem ventralbus, una poff anum.

- 3. Affront Constitution of the Constitution
- (*) Qui ejus carrers opulcula, quas primum Londini anuls 1570 & 1574 excela, non vidit, confidit cadem a Dn. S. Jess. M. D. recognita & Londini 1729 recult p. 107.

VIL TRICHIDION

Terzios, Terzie Aristoteli est piscis, qui ossa habet pilis similia. Terziosor, parvus Trichias, Arbenas. Licet captum superent ossa

TRICHIDION

pas fan ha, tamen nominemus Triebidia pifces dorfo dipterygio ex pinnis branchialibus, vel ex fauanus pilofos.

1 Terbiline suscensites, vel ex signatus piolos.
1 Terbiline exceptor oblongo, ora deminato, amplo, edentido i, andibali (apera longiate) tride areas i pintus prestre caudam (septem del papea la pintus prestre caudam (septem del pintus prestre

S. XX.

Dipterorum plures dari, nobiscum convenimus quidem, quos tamen el ulus naturobas perturbatos ad certum numerum revocare vix en en vix queden fidem nobis haberum: Schemats quelpe pariera es hiltoria adeo fallunt, ur nitul facilius fit, quan pro capiendis pubribus, noamet polso in reeta illabol. Interitu manen operam anothem hiltore rediniegande delipondemus, alo vel repetits lectionistis alterutos priess feitures irrectuo familia silis retilinere intergrum nobis crit.

XXX.

PISCIUM BRANCHIIS APERTIS

PSEUDO-DIPTERUS; Pseudodipteros dicimus pistes, qui vel anto partoptera d), vel prater pinnam dorfalem, caude proximam, aculeis nulla membrana consones suns sel duobus in capite criffati fine h.

a) Six Randelerins & Willinghelps: de Olauro a Pinnas in locha of o an loss even habree dicam, an Dnam; quappe quod orters in the six of or the local order of the local order. I see the local order of the local order ord

b \(\) wo no north, picke per formities finantin bitter appul numerituse cum fifte

", inclume filteractive gale presentant for non inepte filestalistics distinct

and planning of the presentant for non-inepte filestalistics distinct

and planning of the presentation of the presentant for non-inepte filestalistics distinct

and of the presentation of the pres

& XXII

I. GLAUCUS; aculeis pfeudodipterus.

Passes; ferono graco nomine com omnibus autoribus; qui Antia S. Lunos; ante pa. nu dordicia ne, clois envoptore se corpore longo, wentre comprello; corto falcato pl. e cardeo; siida eute, funnais via apparentibus, nife care est care; a lachais ad cuidam linea curvata, protenda, ventre candidiffimo; ore nediocri, denticulato. Sea, Ellewhine. Anti.

Columirar aculestus, aculeis feptem, omithus caudam feefamitus; duobus ad anun; pamas turinque caude proximis, deverticustus methorana contexts. Claucus veterum, 'Jonifour's Aleiros, Williaghb, p. 296, 'Tab. 8, tr., qui Anna Sadanni 1, claca Rome & Luveni. 'Trofin, Æliam'. Scomber decito dipteregica' of Officulo ultimo pima l'ecutede dorfilat perdopo (b), Artesta.

5. or bras diximus pfemberipieres, poll pinnas duis dorfiales verius exadam penicula yel puntula tertiam nomicente.

Oyed non figure on figures delinhand & Willingtheyl.

2 Glauna aculeatus, maculi in utroque latro fielés, tribus aut quature. Thinis in dorio leptem; prum in anteriorem parem vergence, an die aut. Core construire in anteriorem parem vergence, an die aut. Core construire in anteriorem parem vergence, and dorio construire doriorem de proposition de proposition de proposition de doriotal selectudes altitution, Artelia.

» Malinir ethieus, quad quant guiespe diennat bibet fijean in derfo de eum festiones, festioni a tente Glass (refoir fyzers; 8, grater es, opinnesse) and nappheaderen priest accelar, honorp rells hibear in laterillus territoris. Gr., obtager annestes soldie revisioni Gereen, lines lines quag financia; per graterillus soldies revisioni Gereen, lines lines quag financia; per period and service per annestes soldies revisioni formationi per soldies.

dy Glaucos vertere in desmirer, p feium tota ficies vetat

Glaucus aculeatus, dorfo ex exculeo nigricante, lateribus canefeentibus, ventre albiffimo; punta dorfali ab initio & in exitu triangulari, quam pracedunt ofto aculei triangulares, reponibiles. Cervariat, Marigaravit. Willingth. p. 298. Tab. S. 18.5. 9.

4. Glauces authenus, lineis nigris a branchis ad caudan productus; mavilla niferiore valda liducia, ut on hier; feptem other acules in dord, a fe difereis; millague membrana connexis, quos pinna parva fequitur. Mugil niger Rondel, p. 443. Fifeis rarus,

GLAUCU

quem sutor Pilis a Portio depingendum accepit, Willighb p 276. Tab. R. 4. f. 5. e)

e Norma's over Migdes f Coffrens Labra d'eurst, feb Labianem effe a iam Mugillam speciem, viel, Salvilamont j nam Randoleria incognitus foit nefeu

Miss. Gazacque, John - Pizapango I Jonescapela J Pizapango I Jonescapela J Pizapango Americana de Gazacque confideres un boro attenteur ponce destila acatospesi apparent. Le finana diferenta venome. Gal diferenta persone. Gal diferenta persone consecuta de destina consecuta de la composita de la comp

5. Gianens aculeatus, falciatus ab initio pinnæ dorfalis longæ ad usque caudæ pinnam falciis quatuor laus; vel aculeis vel pinnulis pinpam dorfalen antepofitis novem; Lotsma jir q., dicita, Brano edy, aux Ind. ortent. II. p.325. fi refe pirlus.

2 XXIII

IL BLENNUS; Pinnulis Pfeudodipterus.

Home, a statutus remodoliperus.

Home, a statutus remodoliperus.

Home, a statutus remodoliperus.

Line statutus remodoliperus

3. Blemux pinniceps, coloris dilute cinerel, duffibusque olivaceis aut fordules vindues in sucus a lipira utrunque oculum pinnutu a) à fordu pinnice alto capite crituru trahens, prinnoque unido nificações hutum defenções, de parameter constante conservativa de productiva de prod

BLENNUS

Willughb. p.131. Tab. H. 3. f. 2. Septem aut octo digitos longus; dentibus primoribus longis; macula nigra in pinna dorisli oculum imitatur, totaque pinna varia. Blennus fuico inter ocufos, macula magna in pinna dorif, Artedi.

- a) Pennela vel prescillar cataceras, que adulariar figura orules debriplic, in figura comés o recomient ne dell'implique vel Repuir Park, Pic, o correctione, con canadischo priora, i Lagras veracuela herrorità principal debia explorità lectric field filtre. Repuir price mon oriet, que della explorità priora debia explorità price mon che carrenge occium in assembli primità filtre della confidence della come della carrenge in lectron in assembli primità con con concentratione del carrengen in lectron carrendo en filtre collection con concentration.
- 2. Rleumse plintierpes, Gapter admodum contracto, pottbrame hadibus pinnet ectromits de creates, prince pott a sam, un medio centras pinnet ectromits de creates en de la practica esta plante cada e conjecto, esta plante que de cada e conjecto, esta plante que de cada e conjecto, esta plante que de cada e conjecto, esta plante de cada en cada de cada e conjecto, esta plante de cada e cada e conjecto, esta plante de cada e conjecto, esta plante de cada e cada e cada e cada e cada e conjecto, esta plante de cada e cada
- Blemms pinniceps; pinnavel 12 radiorum in fummo capite Galli criflum omnino veforente; perfecte pfeudodprerus pifcis b) colorsfubrufi. Exocetus five Adonis Bellomi p. 224. Willugbo. p. 833.
 Tab. H. 4., f. I. Exocetus Artedi.
- b) Willighth, ampliora verba non facit fequentibus: Exocutius cribet is Belon is a fu-pritus pensione deferipto pifice (Gattorogine) vix alia in re-different, quam popula m fummo capite, Gadi crillam profus referente. Sed inco differents on vine organgenda, quod capitalis et .
- 4. Elemus pinniceps, erifa cutanea infigni & transverfa, circa marginem rubra, quam pro lubitu erigit. Alauda criflata, Galerita Raudel. Gein.; Angli Fulgronocks vocana Alaudas. Blennus crifta capitis transverfa, cutanea, Artedi.

6. XXIV.

PISCIUM BRANCHIS APERTIS

MONOPTERUS.

prima dorfali revera unica; vel LONGA, que aut internali a sut linuota b) aut coasquata e), ab orto ad exitum usque plus minus capiti eaudxque proxima; vel BREVI, aut in medio dorfa plus minus, aut caudæ pròxima longias a capite exificate.

a program or all a circum constituents underure quand in coast parter Para matern spens ad extension usque redium mollem membranes, proprin continuam dortalis non fuspicareris plures, cum antecedentibus & subsequentibus radio continuas. fi meautos see . Le ver a sem to her . Tel VII for a Of ; Go) up a . Tab teen tee was flients ceronias, a - 11 20 20 Tosta, pere un habere pro- a off paratingue primare apparentem horicontail fire interpreenter. Spece a appealer december & go to, ope membranz, proue religion, el commem, led fp. nuls b sem arete r - Val f e . . at principo unica vidrantur ambae, quarum altimat apex b rorfus prisno d ab feb e ser ratto molli connechtur. Quodfi hie confleta forou a horizontales lentes & parls on man on to a sor, in contregor pass pointed by the care of comellaell, non cum famulis erigitor (via, I gutam). Non staque opus habemus diffinflione 10 100 and interrupta, ad Pfeedod pteros referre ; fed mode fequantat ordinem naturelex out percas ad Monopterygios politulat , plaenit miniominus tamen percas mon prante eris fulljungere, & in genus primum Falciculi Under me colligere. Scins the man I to gott proportion to the Continue care quo de un version a & differente annos intercedit, commercia literario differumus) candem in clatiore luce exposure enerstur czula, ut fammam ipfins difquifisionis, quod multum & ad aliozopa prie con hilloric transactions confert, com candido LECTORE communicemus, quod, ne mili prohibest Vir destiffimus, rogo ; ita enim Dominus Objervator ; In Lucioperea casiria forma seter catheto - & plageoplateam ambigie, in Peroa & Germua vere cuthecopiates eff. Maxille in Cettiqu multure, in Lucsoperes parum, in Peres

per jong adase defferant. Lucioperese dentes ordination difficati, verfus interiors DES HIGHTS, primoresque reliquis majores, in Perca & Cernua fine ordine diffributi, ereberrims, recht, mortins. In fingulis his speciebus palati ambieus denticulis proratione magnitudinis special respondus are misoribus areastus el. Officulorum seercula branchiarane conflituentium in Perca & Carnua idem numerus : nimitum opercula in due officiala transverf in divisa funt, quorum posterius tribus coalessit, anterius officulum in loco commificae cum pofferioribus in Germa ferratum, in Peres gossabili margine terminatura ell a polletlorum officulorum fupenus in Perca, me I uin off spring is affect, agree on chair are decision it & poller or a beaution non in tria fubdivifung, fed fuperficiali faltim fulco in duas quali partes fectum elle e leter. & q. lens antecescos trangitos, por case arquitain, peano i serancango beauchtoflegg officulo forms figulers; trungula para engulo poftico aliquactum conpet, quo in loco tribus gontuorve denticellis brer filmie munita eft. dreut offen branchiarum fin; is in Lucioperca una ferte tubereulorum in superficte ocul : parinte ex centro radiatorum afoer: fune : in Perca officula compreffa, oblogga, e bafi late. uscala, paulatim in obtalum agreem delinentia loco subtreulorain confisciuntur. durier fer es ejusmodi officulorum obtinet, quella in Peres fimpieres ferles confliquine. Darfum a copite in Lucio perca leviffime, in reliquis notabiliter adfurgit, in illa porto fecundum dorfi longitudinem a capite ad anteriorem usque peanam fulcos nierumque excurrit, qui in Perca & Cernua nunquam obfervatur. In Luciporres & Peria dux de fille e pinne en Ceresa acesa. Ha correce conto la convegue de co. ferguer, don retu french, quibes accer or h per men pe un certai, numero mour volent radiis frinoffe Cerinorum, que monopterygue font; bane convenentium annet fainula in bipennibus, utramque pennsm horizontali fits interjacene, qua apice (uo pofferiorem pinnam respicit, & in basi ope tenus humilique menitrana onteriori penna. consexu eft. Quodii bujus apex caute in altum erigitur, tota pofferior pinna, aut Ginn anteriores ejus radii fimul eriguntur; connexionem igitur spinula cum pofferiors penna jam recenfica observatio, eum anternus couletts inspectio demonstrant : treo utraque pinna ope bojus fomulæ connectitur; ergo anterior & policifor conna in Lucio perca & Perca pro unica fed interrupta habeto possunt. Pinna ventrales fingular in fingular tribus speciebus sex radiis componuntur, quorum extienas finestex Se regulus, reliqui ramult funt. Radis molles posterioris darfi penna in Lucioperca & Perca numero variant, plures tamen funt in atraque specie, qu' in 12 Cornul, cen pionis branchialibus & and candaque manerus radiorum con este. Squares p la gulis speciebus faces finelles. In internit parribus bases differentles advots 1 No. merus loborum heparis divertus; Lien in Lucioperes & Peres able igno instinguous in Cernus retundus, comprellus. Approduces poleri in Lucioperes fex, pre raro Septem, in reliques tres tantum. Jeffere seres in Lucioperen biceps, in Peres as Cernus Superiot. extremo Groti formis tantum. Peficula fiminales, que in Lucio

pers. A Terro, n. s. felte dult na m. Breedman mutuont, in Cernaa fingulari efflo, quod inversio n. A. noutlier vir. et a. c. c. et p. d. hine mentiont, "Ouerman person [glob dulta. Audre dulta. En mon falls, it Lucropersa & Cerna, a. l. latter dulta. et a. c. et p. d. d. d. et a. c. et a.

Consideration continuitions considerate. Does all logic logics metals, the questions of constructions of sections. Does not logic logic logic program of the program of the

And the second of the second o

- Fines continue & Insuch, ubi & seet concurrent radii rigidi & motles vel flexiles compun. membrana conjuncti, evidentan finam vel intern carram della ba
- Pinna continua & consquata well latitudines per totam fere longitudinem dotti æqualis ett, radius fallumata i vell ad amortuna perrupta predatantem æquabiliter decretes;

§, XXV.

Pinna unica LONGA, (interupta).

I. PERCA; nigum, aliquando migus, a). De pinna dorfali fufficiant, quz šph. przeedenti commentati fumus. Przetr hanc, demarque cauda, duas habet pinnas poffbranchiales; Europzi & Brailienies E 2. dues.

L PERCA

duas, Carolinenses plerumque unicam, ventrales; onnes post anum unicam; illas incrines, hanc fapius vel uno vel duobus radus prioribus acutis sustillam; squamas densas, duas, asperas.

a) . § . 17+ L

1. Perca, pinnis ventralibus duabus; arcolis nigricantibus a dorfo in year an def cadentibus b); iride flava; pinnis caudaque divita rubicandis. Perca fluviatilis autorum. Percia & Phycis Rome ; Perche, Gallis; Perca major Barf (Barfd), Parfd) Schonevelds. a Pearch Williabb. p. 201, Tab. S. 13. f. 1. cujus figura parum valet; melior altera figura Baleners, licet pinna dorfalis nimis fit interrupta. Aborn Danes; pilcis est stuvistilis, amnicus & marinus. Perca lineis utrinque fex transverfis, nigris; pinnis ventrulibus rubris. Artedi. Perca pinnis dorfalibus dufunctis: feennda radiis fedecim, Suggis: Abborre Lann, Fauna Sugg. Perca marina, diluttoris coloris; Perca pelagia P. Jours; Perca marma Bellonri, Beenling, Berfching, Wretenia Marfillt op. Dan. Tom. IV. Tab. 27. Perca lineis utrinque septem transversis nigris, ductibus miniaceis caraleisque in capite & antica ventris, Artedt. Shaff Pari Schonev. Maxima funt in fina Pocenti, quandoque to lem longe; mediocrem exhibenius, Tab VII. f. 2.

b) Under Sprekament apad Arbensens Lib. 11. feb. 119. dishkas vocat, h.c. varus.

a. Perca, buccis craffis, caraofis (figurant glob) form) pinal rentribute dualut; totus ex crievos organeurs; pinan dortalutate maculofis, capite magis producto; donthas nanita in tentral internal research, ligencior quali o longuore; inde marsa linea lucrali fisholipro è. Lucio perca Generi, ŝichouce, alorema Zamatz, Zander, Januari, Parinal Carabari, Smill Margilli Tab. 22 doctor percapita; (Seano-Sanda, Decca palice amendios, dembas decunda relativações) escribed per la decelhada dilucidas escribed relativações de la constitución de la c

• Aleguarda vipina barra proder. Anfiqui incognitus fint pilkin. All-recondur diproteir; Allikina 20 Janu & Arafin Saithar yi Giashida appellita; sh arena, qua considur fere Septentron-Lisu Examb dietere, cui in Affilian di Sala prica abfinadres lerike arifateta; non mid duleiba de dubus applia gaadet. Magna den orpala l'ivilla: oronettu ver gaugettum dubus si Offernam neutur logic lateque translatione de la ligarita de la consideratione de la consideratione de la consideratione.

L PERCA

mittitur, imprimis Francolurto ad Viadram în Saxonism. Albii falitus quoque doliis-

- 9- Peresa, pinnis daubu suntrollibus, dorfo altiore ventre; fiquamulis angentes ce sure o phendembus, do na lateribus feprem unguns freiss longstudinalibus, colorus fulci lucidi; in copite nigra lua firia deletencena utraque, or ce colorus, pinnis de cauda davia lutera; iride rubra, fufeo de albo mixta.
 (nite, Marquanu). Slaum I. Jumata? unimum figura perce michine; Marquanu.
- 4 Pera, pinnis daulus vautralibus; dorio elevato; pinna poft anum finna lipina munun; dorfi medicus pinne (pinodi a irima reconiblis; cauda bicorni; librati and argentesi alquid aurer refpiondentibus; in lateribus librati argentesi alquid aurer refpionlivefonte; ventre albo; pinnis cinicris inche argentes. Capeuna, corpor oblongo, Margrandi.
- 5 Perca, pinais dualeu ventralibus; firma spine munitis; dorso & ventre pisic sorum cel; quams argentus spicachentubus ex pauditi autoro, Fandle mort; pinna entreses; canda din laj in ore supra entre officulous hubers, dentibus minaus predicuns; iride autore cum albo mixas. Primunte, Beal Chapquerons; Lutte. Marcegrant.
- 6. P. s. punta duabus ventralibus; in inferiore mandibula dentibus ad accularum indra, na fuperiore duobus longis éc craftioribus, intercedentubus minouffilmis munita; inde auguinea extraperteo; media pare pinau dordhis in rima repombilus; cauda fere equal; squamai segenetis finaguineo colore umbatis; ventre és fascibus albas; pinnis, parter ventrales, languinei coloria. Aczranya, corrupe Ganaha, Marcranui.
- 7. Perca, pruns disalari centralibur; dirrichi dorfi fipisola menute de un runa reposibili, ventraliburi dirrichi sila poli anum clura di acuta fipia ninea; cruna fara; tota miesta, illa poli anum chi berathis; in directione si positi micro discreta di principio professi i tota miesta, acuta principio di principi
- Ferca, punis duabus ventralibus; cauda fubrotunda furcata; ante pinnas branchia.es aculeata, paretre & in ventralibus; Iquantulis L.3

Tan Ult L3

I. PERCA

ferratis, argenteis; capite fupero incarnati coloris & hifpido; pinlas omnibus rufii coloris (Ŋstejofaro), præter anteriorem dorfalem fipmofam ex auro umbratiem. Super oculos maeula ŝtaguinea; irde argentea. Jaguaraca, pifcis mediocris percæ magnitudine, Manegram.

- 9. Peres, pinna unica vantrali; ore ample, fiquanis ex aureo umbratilibus, pinna dinidu dorfi, cum pinna and ce tacke uprite, rubentibus. Is had fix Frus, one of the middle of the Back of a triangular Form, one extending from that to te tail of a ced colour ce. Peres marina, pinna dorfi divilia; the Croker, Cartaber, Tom. H. p. 3.
- 10. Perca, pinna unica veutrali longa; ore parvo; tota rubra, præter ventrem & duas libnas anteriores pinne ant albicantes; podferiore parte pinne dorfalis longifisma; anterior 12 sculeorum, quorum quartie & quotus shiffini; cauda infigniter forcipata; Perca marina rubra, the Sociored, Carachen tha.
- 11. Perce, coltro rettifo, ore denticultuo, anterior pinne para ocho actueles, potierior radiis interatibus (vel., in toquitur viameta, nallis actueles). Cando latte fiquants latis de oblequie s correspondo longoror quant latiore sciones, tumba od, ombrina, solivium fal. 115, Willinghb, p. 366. Tab. S. 19. Scienta, ex nigro varus, punta vermelabos superrimos, Arreal.
 - d) vid. Supra §. XIV. Officeam p. notana e)
- 12. Pered, roftho resulo, appendice bevei in inferiore mavili. & inunda mue coulos meabase amplie s), fuentin instructule receivcentre regouros; dorit & lateritus urabit late, obbequi, anotheletus, alife flowis, aliki inventibus, alternatin politis; eternosi operculis barneharun pinnisque injeri f), uno acube regolo pinami poli suum furificiente. Remaine, Concenus, Corvo Valuitan fol. 116. B. Vallughb, Tab. S. 21, an idem, qui Salvani f an Correnas albus Kandelica.
 - e) Salukanus f. 127, 6. hos meetus admodum amples, auditu, & officies picturentes their
 - Unde Coracinue, Corvolos. Athenan Lib. 7. fel. 155. 45; coracinorum multa geneta effe fenbrs qua Satuinus declarant fel. 118.
- 13. Perca, tota fere nigricans; aculeo ad planam am rigidiore, longiore; roftro retulo, non vertucolo; exterum cum pracedent

1 PERCA

conveniens, sed multo minor. Coracinus niger, Corvo di fortiera Rome, Salviani fol. 118. b. Coracinus niger Rondelet. Willughbej. Tab. S. 20, 8

- g) Aluer pinxis Welloghis pilhems, quam Sulvilanses; his pionam dorfalem teterruptam habet, ot in percu apparet i ille ambas pionas dualus humildus acuses membranique conjuncat. Sporte Welloghis, cala so duas (pinulas (de quibus lupra masa a § XXIV. incida.
- 14. Peres, capite mox a tergo declevi, pinni duabus veurralibus, oculici magni, riride uruca, popula nigra, bennecheoftegus tamelis de laceritus argenteis, dorfo, ruttro, fun grandrambus y cuda equali per latera a burnchis candoni pur affersandrus; y cud ecem linex, sequis intervallis, aurere, punchares, Mode dua nodri, sir Ads. VII. 5-75 i Inferon mandibula paulo loma della dia vida della moderi. Sir della peres.

6 YYV

Pinns unica, LONGA (finuofa)

II. PERCIS. mexión & mexio cundem pifeem Gracos appellaffe judicat XI. PERCAS & PERCIDES nominat, its ut utrisque varia tribuat; percanque Salvianus a percule alium pifeem non effe contendit, eum tamen igte minus accurate Percain Channe & Phycids findliman effe dixerit, quod majorem incuriam involvit. Aqui bonique facianus diffunctionem Diofeoridis & Plinii , quod Percam & Percidem unius quidem generis effe, inter le tomen vel notis quibusdam specialibus differre cognoverint, velut capite, aculess juxta membranas branchioftegas, fainulis etiam, in memis branchiis, denticulatis crenatim apparentibus, pinna dorfi una oblonga & continua, mo colore, quod antiqui PERCAM fimpliciter variam dixernit, percam vero fluviatilem minorem PERCAM ouratam, unde Aurata Trags (Gesn. Aldrov.) Aspredo Jo. Caji, vel et am a dorfo, ad porci fere in modum declivi, & uti porcis terefo, quare non abfurde zeisse, porcus fluviatilis Strabonis a) cen en pureft Quicquid autem fit, cum Diofeoride & Plinto etrare malumus, quam præter omnem necessitatem ambos negligentia acculare. Maneat Pencis (quali percula, porces Frifiis) PERCA h) pinna dorsali continua, sed sinuosa, anteriore medietats Spinis pungentibus suffulta, posseriore radus mollibus inermi, in concursu finum plus mornes altum formantibus; cum fimpliciter

IL PERCIS

Perez habeat dorfam monopteregium quidem, aft pinam fulco nonbuli interruptum, ut incutte bipentsi visi fuert bet engre Conveniunt intuper PERCIDES cum PERCA in ea, quod antae guodean pinius vel fex, vel quinque, doma cauda, is e ut untaci dorfalt, duabus polt branchalibus, toridem ventralibus, de una port anum, sut unica dorfalt, duabus polt branchalibus, unica limplici ventralir c) de una polt anum, sut unica dorfalt, duabus polt branchalibus, unica in militare per la perez de la perez del perez de la perez de la perez de la perez del perez de la perez del perez de la perez del perez de la perez d

p) vid. planbus §, XXIV, nor, a),

- b) Persona Generas presente, Cajos Apreelluero, quen Atlenias Cremano Statistica, Generas Gaussia, Pielitaria Aspenta, andre Saliki en a genera, sen un tendre contrarente a contrare
- c) Non deabus in unitem plantam vertralem conflicts, god pinna Gobiombus fings arris eff., of fuora §, XVII, monulmus.
- 4) Alifu IV. habnimus XIPHIAS G. S. & 3. cinnis, nullis pollbr n 12 no. 8, 8 y 10 minus Xiphux faut, ad nulium abud genas traheodi j aeredini Ichib no. 11 g to n. 12 p. 4. Xiphux non plures non panesore quam punta quinque adjudicavit.

6. XXVII.

1. Portis, panis fors, anteciore parte dorditis 14, polt anum dusbus finis regidal futifuls, teste de querta diffinis polf foum radio futifuls, periode querta diffinis polf foum radio porte planis de canda fishelias erobrisque meculis e porculis branchismum denuculatis de cenada fishelias erobrisque meculis e poetudis branchismum denuculatis del consultis sellon, Pecca flowardis proposition de la compact dividi. Cerusa fluvistis Bellon, Pecca flowardis miror, Autura Tivagi, Gam. Aldrava. A Ruffe Cole-Peccario, April Pecca dorif monopotrygio capite cerumolo y Artaffe Perca punis dorif Bibus condountis radio vigini. Ispermi seuleatis quindecim. Surc. Giere, Sonogres y Lim. Panul Sure. Schrollus Dambisanos.

II PERCIS

Schrolln Ratisbonz, Gesn. Perca minor Nebonevskit, Willnebb, p. 58-534-534; Tab. X. 14, f. 2. Raulpark Fruff, laculfris Tab. VIII, f. 1. 8 Revivantis & recentis Habi Tab. and, f. g. 2. 3) Perca II. Pelffentalis Vir Marilli op. Dan. Tom. IV. Tab. 23. An, Schraitler Ratisbon. I Williegb. p. 357, ubi differentias potativi.

- a. A. Quand, an recurst taken Professor) was Saterp at Pichbaufer & Lee Bed first 700 toning full place conform & Certaes are & monotonic Silemonium pedatus & quad executit magnitudina vendata; percer 80 toning pageerbas & operatus eropatas.
- Pereis, pinnis fex, aculeis duobus anterioribus brevifilmis, tertio longifilmo; Schraitler Willingbb. p. 335. Schrantz, Schratzel Perca III. Marfillt Tab. 235 pro varietate præcedentis habenda; differentias vide apud autores catatos.
- Percis, pinnis fex; coloris miniati per totum; crebriffimis punctulis nigris magnitudine feminis papavens infperiis, pexeequam in ventre; iquamulis iunatis; caterum pracedenti congenera. Cacuma Marcarani.
- 5. Pereia, pinnes fest; undecim aculaci in dorfo, tertia longiffina; ventrabitus pinnes del lapod asum unta finne finnentia; anacula finumers rotundis in toto corpore di ing.

 di propositi nagnis, irida e ingra cum auroce de finguamenta fattore; oculis nagnis, irida e ingra cum auroce de finguamenta funtamentis parvis ad tactum glabra, nifi a cauda vertus capat finecur; l'ungabanqa, Bradil, Gazutchi, Belgis, Marogrami.
- Pereis, punus fexs branchialibus & post anum-circinatis, coloris
 ex obleuro aureo hepatic, hurar retiformi cinerea, per totum corpus obrenia, funantis ad tectum glabris; ore amplo; oculis parvis. Prati apua Maregravii.
- 7. Perest, pomos gamques i toto corpore nagredane tincha ş werfus ventreau in aldendrum absens, frider vobras ; ore protection effective in exitor encoderation encoderation encoderation control encoderation enc

by Pla-

II PERCIS

b) Plurima percides radios vel unum vel duos anteriores plana ani aculentos habent-

- 8. Pevas, pinnis quinque; in capite firiis longitudinalibus carruleis & luteis; alternatum politis; iride vivude lutes; figuanits fuicis margine luteis are analyo, intus turbors; nandibula inferiore longiore; 13 aculois in dorio, quinta di Cetta altiffiniris; pinnis branchilibus longis, singuittis, controlis, uri de canda forcepas, cinercies unico aculoe ad ortum pinus ani. Perca marana, capite ficiato, the Grutt, Carteleji p. 6.
- 9 Pirez, punis guinque; 15 aculeis in dorfo; fexto, feptimo & ectavo altifit insi duobus rigidas polt anum; bruni coloris; toto cropore ad rolfram ueque denfis maculio scrulos pancidato; cre mediores; pried & pinnis branchialibus croccis, longis, cauda aqual. Parca maria, punificalista, the Negroii, & Carefogio P. 7.
- 10. Perces, panis gunques albres duobus aculers in dorio, quarto alufflino, unión lípina ad orum pinna mi s dorfo fusbo, ventre albodo s fex linese croceis a capite verfus caudam notaria s cauda nego forcapita, só alba fusbra canchas rinde cuerca. Perca marina, estada tugas s, tie Blak I ad, Caterbon p. 7.
- 11. Pereir, pinnis quinques i ronte angulofis iride exocess ore parvo; pinnis in derifo oftos tribus and orama pinne mis devot ad venue nume useque into futfos; mueulus umberatifius fisibilites; tentre quinquefarmi lineato, puntits brunis ex mitro albo de fettro varies; cauda lunata, in exitu rubes. Perca marusa fechtarus, the Rudderfiffs, Careslejio 3.
- 12. Pervir, pinnis quisnques doefo gibbo, in quo aculei docem, ventrolls unicas, ex finnis quiunque daubau curtie ad pinnan ani caput refipicientibus; labo inferore lato & longiore. Ultra medium coepus ad infimum ventrem ex obleuro in luedum colorem caractum divergencie; ventre lutro; operculis branchinrum crutleis, fee iltures fravientibus; ad carcerum angalam macial rabura tungam untere-piente; qua ab omtubas definiquitor; pinnis, de auda, the firefuever Penert, Gatefaria no. 40.
- 13. Perent, punns quinque; in mandibala fuperiore oris ampli dentibis dacbus reliquis majoribus; aculeis novem rigidis in anteriore dorfo; raful lavis; iride fatus; capite pallide rubro; dorfo bruao, ventre albicante; toto corpore de piana post anum, anterius duabis.

H. PERCIS

fpinis eraffis donatum, rubris magulis creberrums picha, cauda lata, circinata, ex fufco fimbrista. Cayupuguaca Baata, the rind Caterbert p. 14. Stonie It. Jam. Tab. 247. cum Cuguguacu congenere Epind. Tab. 248.

- 14. Perest, pinnis gainques acubeis doctălibus duodecim, quarto altifilinoj unico validot fongo ano părălia puntan ani; poft branchiarles tore longis; omnibus sum canda tecepura luteres; inde lutera jure mediocri, quantis grieis au cure para luteres; inde lutera dorfi, un relquo corpore liquonis croces & grieis a dermantibus.
 Accum.r.a. frombodalis, fafetari per Portfift Carteriti, p. 4.
- 15. Pereir, pintis quatuur; in dorfuli politrioribus radiis altioribus, podlisanchilalibus carons, dindeas verbubbas radiis provanta tunt branchus, una pol. Immu, tunus codes taccipar provanta tuntocum in ameritore dell'i parte y ad catium gabar, ove ultra caulos incifo; o culis magnas, inde flaviente y lamina bemechio-legari vaglica arter nei chan delun en cata, o supplie rott cara tentre con a cata cata del provincia del provin
 - 16 Pertis, punis terbas : polibranchal lois cerens; una dorfili, tuna scaroli, & tun a y di anti, a accedantho et attor faria, qura on term langulanto, soto acte con ocuro, pi uno de tetro atti, ingi, canda angulora, in extremo a andidad i speciosis combine dorto. In active, y funitar amplie colture minis ved laternos oculo inatenos, y incita amplie, obture minis ved laternos oculo maternato pia in beanthalia coe care, in coltura di pris ved laternos de mantantia pia in beanthalia coe care, in coltuba di pris per esta della pris. Peren mamuo pia in beanthalia coe care, in coltuba di pris per esta della pris.
- 37. Percis, capitata, kavis de brewis; espite, mod Nam hebere felent, majori pro volumine corporas i nandablu networe regione; filibeineren; puna dorri de caudes equabilite varies puncioneren; puna dorri de caudes equabilite varies puncioneren; puna dorri de caudes equabilite varies puncioneren; puna de caude especial punción de caude españa place de caude especial e

6. XXVIII.

Pinna unica, LONGA (conquata) 6. XXIV. not c). Recte monet Artedes P. H. § 167, 169, nec fitum nec munerum dentsum precipuum generum characterem fuppediture, cum, P. II. 6, 17, fecundum figuram quoque multum variant dentes pilcum. Habent quidem, acutat, ut Perca. & oui earum Ichemata pre le ferunt, habent etiam dentes a lateribus comprellos in apice acutos, ut Gadi & Eloces, fod h bent a tixou, lato , the years, Surar, Souri Ele, ourbus dentes font a act o 5 600, o. Omnes extra a ma n altro oculis nothus fluorerere, ma convenientiam membrana branchiofleza vel lamelfarum aut officulorum numerum que oculos preterlabunt, inter Sparos, qui, P. III. Gen. XXVIII, dentes habent humanis & camints findes, molares at in quadr, neddous. Nos circa MONOP-TL3OS al que s pinas longa coaquari oras retionem nabramus, de t bas vel neatis, vel lates, & edentules. Parter necessit stem nomina generica prorlus acces, tyr upu modo (ti logantia Salpianus fol. 74. a.) non imperahimus, led antiquis, quantian ficri note cit. utchar.

6. XXIX.

- III. MANAS; Pitels (prout percar & percules quarum felemata ferunt) in antesiore pure pinns dorfalis acantopierus, im pofferore mala copierus; rains ad him natu 24, cocquiuta feliateidos plares acetos in utraque mandibula labiais contegens; capite producto; vel maculis pierunque vel lineis in lateribus; colore vario.
 - 1. Menns, dilute viridis, aut fordide flavicans a), arcolis obleuris, transverfis, hineis longutudinabus occuleus, moude angienne moven in incidis hieribus; Mennes Ramide, Bell. Gern. Aldren. Wichgleb, 1-39, Telle V. 3-4, perus vories, incidi in proceeding in the control of the control o

a) Vere colorem mutare dicitur.

2. Manas.

III. MÆNAS

- Memar, in ventre flavicans; capire & iride flavis; lateribus, dorfo pinatsque ex fulco fibribavis; a capite ad caudam linea nigricame latidiculas; mandibula inference logiquere; dentibus acquifilimo; pinan pott anum unea fipina fittibuta; goacilefeens; cauda parum-per dividi. Tab. VIII. 15:
- Menas, iride & dimidio capite pallide lutels; dorfo fufoo pedetentea ex les aerá leto o blova na bacanem ad usque ventrem divercare, cone corpore quentes fuéos o numeras, veder affertires, ratvaritts, manuabulis aquabbus; canda parura divida. Tab. VIII. v ti. f. 6.
- 4. Mone, menda pallide purpurea (force negle cent §) in lacerbus, previousnes boarnenda gra, gante centreque, pal tespe persona arryante parpurale enbus, e meco laceram ad enadam sopre line, etc., un inque autousl'i printe personal ad enadam sopre proper a lenca, casta evecatas; indie alba, flaveduce mit cla 7-d. I III f. 7. U. retera Nassass streetile flaves; inde-arrets, indipensates, longa, conforma, urmque in oris lenter certaines; fammo captee, dorfo caudique umbeutiles ad angulum branchistation, un proposition of the conformation o
- Menas, pallide viridis; iride fubflava; fiquamis e bafi reticulatus, Tab. ad caudam circunatam macula fufes. Tab. IX. f. I.
- Menas, ad brauchiarum opercula lineolis & punctis earnteis ş inferase maxasa Longore. Function Physis percua ob finishtadisiem cam percu Salvania f., 2.8. b) ş caada aştalı five erremata. Phycus Artest in append.
- b) Mole Rondeler., quod Physis retains in Tenes moins Romanorom. Sellonas telistus, se vidific succes, subentes, visides πολύχροαι.
- 7. Medar, reftro seutos inferiore mand-huls longique e rubente; od beanchês nº opervala desbus seutes albrs, acturidinus, tengo inguante, veutre de latembus voolacers faib albedines pinna dorf flavente vel ruigi sin ventralibus de canda macultar rufas; ab ore ad caudem usque lineis rubris, que inequalibus ditinctes tanervalias. Fistanta, fur Chomma () Salvini jel. 226. Choma de la companie de la companie

III MÆNAS

Rondel. & Bellon. the Gaper, Ginfilh, Williaghb. p. 327; Tab. X.
4. f. 2. Traditur nullum fexus diferimen deprehendi, onnesque
vulvas habere, ovisque gravidos capi, Rondel. Caudam habet
Roualem. Labrus adus, Channa recentrorum, Artedi.

- c) A Zuwarry, quod ore litat (com tomen & ell ij ilica oce litart) unde žiplikarmas paragrahozgatosta y ocernt. Ceterum delloviner Tatta ell hujus pilićis caus orpho, letysto fo perce marinis, cum quo publice divendi folte, fimilitudo, un pilicim pene sundom credas Rec. Diffet inprimis prima datāki, espite, roften, saudajus; item ovipote competitore; camplemort Petez & Percedis Ilipas.
- 8. Menus, rostro acustifitmo ș ficiis luteralibus obleure nigris, rumaveriis, toro capite de nateriore ventrus parte duchtus miniacese cerulesque pictus, tergo ce flavo nigricante ș ventre livente; caudo aquali, luta ș raini pinna gord natum jihonfia. Perca pelagiu focat, Salvianul, Gera mineretra, p. pape Palacka, fizi levra care carelle squi te repres de native ventru, architectulus mineretra, estudiste un exprese de native ventru, architectulus mineretra.

6. XXX.

IV CICLA,

LA. Grecis κέχλο να κοκόκε; antiques TURDUS, quod alvo varius, με Turduz aut, fit; turdunque κελικόμων appellat Niconder; corum Galmella Lib. III. esp. το complant genere includit. dade corum Galmella Lib. III. esp. το complant genere includit. dade ne comes picturates pictes Turdus vocenus, turdosque non esio, niti qui valum advum babent (chiquarum per seque objeanum ceptican) cum admonitione, primariam corundem diffinctionem excorporas figura aque magnitudem de climi, unche der genera prima condituite, vel minoremi de latum, vel majorem de obsegum, se colorum viriente, filidodidit in viriedo de miburum, in ne rivafine Tucdorum genera, minorum unum, mijorum duo. Quiniona Randelitait undectim vel duodoccim genera compositie. Se se consum viriente di conditional de compositie. IV. CICLA

nemo autorum, vel antiquorum vel recentionum ellentrales Turdorum characteres exponit. Reunebimus annous m pomen x 2 22 vel CICLA, quod & Arredus in append in animo habitalle vicletur Rationem nominis in co ponimus: Ornithologis conflare. Turdos, merulas, & que plures hujus generis aves, roftra habere longuscula, mandioida tigi e tuperiorem eirea radicem mobilem. qual, tolutare, its ut have a playfun attollere & fupplodende in interioren mandibulan eun fontiu concrepare poffint ; hae ratione per mon annus, "prices pinna dos filonga co canata corpore vel tosffo vel quadantenas complicato, capite producto, ore fatis fillo, acutisque dentibus infracto, caude complicata, curus mandibula "Superior quali foluta adeoque mobilis eft, ut fup a interiorem ca-"for & recurvars, rurfusque ad libetum ful offen erann parte re-"conds poffit., 1 urdos vel CICLAS vocuare. Hone characterem fafficere arbitramur, ut modo refeire liceat, quid valeat antiquum in hoc genere pilcium nomen zigan, Figurg Catesben, Salviani & Rondeletis rem illuftrabant.

- Ciela, dorio fufco, ventre ex albo virefcente; pinnis pofibranchialibus aureis, ad poducera & in tergo flavis, nigris carolersque maculis alpertis; fiub oculis varius; labiis eraftis rugofis, cauda lata, maculofa. Turdus primus Rondelein.
- Cicla aureus; linea alba ab oculis ad caudam; unica pinna ventrali; Turdus stus Rondel.
- Gicla, roftro aquilino, linea ab oculis ad caudam carules. Turdus 6tus, Rondel.
- 4. Giela, dorfo aureo, maculis viridibus & lineis rufis tortuofis; ventre candicante; labras viridibus; operculis branchiarum caruleis una cum cauda, & pinnis magna ex parte; 18n, le Atbeuer live Ceris. Turdus ranus Randel.
- 5. Gela viridis & flavefoens; linea condida. Meneffrier, Tibicen; aliis Garau & Bille. Turdus onus Rondel.
- Cicla, viridis, operculorum branchislium extremitatibus, pinnisque ventralibus, purpuralicentibus; ventre ex purpura albicante; oce parvo; Turdus 10mus Rondel. an Turdus major, five Verdone Salviani; Cicla cubitalis, Arredt; Williaghb, p. 220.
- Ciela, capite caruleo, dorfo virefrente; tenui linea viridi; ad exitum paulo fupra caudam macula rotunda; pinnis ex parte purpureus, religio

reliquo corpore rubefeente. Turdus 12mus Rondel. Labrus roftro furtim, reflexo, cauda m extremo circulari, Artedi.

- Crela, coloris ruberez, nigris & lividis maculis afperfis; ventre plambeo; labris magnis, Turdorum maximus, Turdus 11mus, Rendel.
 Crela, capite dorio & pennis ex emerco nigricantibus, lateribus ci-
- nersee's, ventre Libalbido, macalis liventibus. Turdus mutor Salitanis Cic a vix palmaris, Arteat.
- Ciela, tota ex excilco n gricans. Merula a) Salviam & aliorum. Turchis niger Williaghb. p. 320. Tab. X. t. f. t. Labrus excilco nigricans, Arted.
- 2) Que a reu a su singra inter tardos aves, as efficad decinius inter tardos, pales Merulain Charter, Tincam nor into Fourternes yount, a Sort of Sea-Tench, collangualited from the rell sy his elepth ewice out — A Cook fells
- 11. Getla, oculir vabris, ad eiseumiterennan radiis evuneis, fineuric oluceces, in ultra, carlesso operatis brancharan duel bus ear less paless panns dor ¹L, unit ventrit & Las port aoun, flavis, fi abror sociares policionen thalus fan octors, ad terra radice, thore & extrate more late, in ventrem ob space conta direct, the reduction of the control of the con
- Cella, rubra i aper flavicante colore; piana unica ventra., post anum in antenore parte tribus acudes annar; and. conquato, urringae in filamentum execute. Turdus flavics, the Hog-film, Conclute Della.
- Cula anea; ride roba; gula & roftro purpursicentibus; unical pinna venerale; "Lardus cauda convexa; portical junic, tae Xellow-ifth, Catesberr p. 19.
- 14 Cicla, pinnis lateo, rubro, caruleo, viridi & alus coloribus maculatis, in corpore mare cancellatis, muse rechis, mane in obliquam fiparlis; fiquantisque ad ovas rubr e fuirfais; dentibus albaffinnis, neutis. Lepriss, Plorus Bellon; b); W. Illagbb, p. 320.
 - Cocom effe, spie Bellowini intuit "Maxillam foperiarem tubi in modum cranio "marclam habet, ut pene duo labia sarnofa effe cockas»;

V. SYNAGRIS

XXXI

Phagros, Chromides, Anth as, Acreanes, Orphos, Synodontides, Sugarides, Dentices, Dentales onnes autores ad pilces unus generis men con it; S. togontem, Synagridem, Denticem auidam pro divertes labout, if armi non nel arate ab invicem differre conten-Game, M., Yalana, Ron'l leterm, Astronomiam, Williaghberon Gesterum, & Miglan I de fife. Hos vel illos Art, das conjunxit, vel tenancia air divertis generabas; Sie 19/1 Synagras, ca itha us, A. arta, Salpa, Melaa trus, Erythrmus, & qui plures, funt SPARI. & Luce externs & capite & o.c & deutions, million pite, proesidentibles feie a renquis tacile diffinguint. Nonnalli autores de Synonoma, e & Synogredis, de Unbræ & ahoram lapidibus malta verba faci art a) intermixtis fabulous adnotationiblis; dequibtes also. The see p. e not prima longa conquota, lentibus ocuts , ple unq a f.rr. tis, labas emotis, dortale pinna vel espit, vel canda a ju, iter, vel canda proxicit, re, possando live in values noundly flexies execute, five exclusion, ipon valleta pungentibus, confluantos Genus V. SYNAGRIDIS. Hurus vel externam facient fernat om ies. Onnibus oculi magni funt; irides colore variant Vice Synagridem 14 nota b) pluribus.

a). Core times, if to love receives, omnes pices, five standing occurs five appears, updat is craite for east

2 Sungitus i edigeneadas, colore rabos serias, interdum flaviente de para societo, mateido scandes el nigros deráli punta aspocieto capira cadalque, pres no 3, acidos acidos el restance de redica en colore esta de la desta cada en care de acidos el redica en colore de acidos el redica en colore de acidos el redica en cada en cada en cada en cada el redica en cada en ca

 Synogers, tylenade inger, lines luters objectifs a capte and candam, each but as a fitness, panns cortail in radios nonnallos inermes exer of c. Cantlarne b). Rondel Althory Gens. Scansous Gaze. Cannarus H. highb p. 399. Tab. V. L. F.2 Sparus lines utriaque luters parallells; riche agrentes. Arecta.

 Gern. a colore canthar, prisalati, Plinim. quod in luto & fordibur, prout Cantherus in limo, & volume.

G

3. Syna-

Z. SYNAGRIS

- Synagris, ex caruleo nigrefeens, aerasorueros, five nigra macula in cauda; denubus acuris terruris. Hepatus veterum c) Rondel Gem. Willinghb. p. 31.4. Tab. V. 1. F. 7. Ray. Syn. p. 23. Jecur macnuum vel Hepatus Hermolas. Hepatus Artent app. p. 113.
 - c) Ariffer, quad entre veseuer, denibus stratis, colore algro, oculis majoribus, corde trigeno, sibo, Arbonau serbet, solle carece, duos lapides in capate lubree. Readelor, vere non cor album, sed quod hepatem habeat album, corque trigenum & altu presidus commune sis.
- 4 Sinapris, dorio oblemo viridi, laterlus fields, intermisante aureo, ricia argentes, pinas dori calvellat capiti nadarque regullete prosition, aculeis nueste della capita capita culture recicem; in luperiori nueste professe dentibus aculeira recicem per la lugio machie professe dentibus ambabus tuberculis exaliperates. Anum Roudel, bellon, direo. Willingbla, p. 397. Tel. V. 5. Souliva (F. 17). Donale l'Ilijanus, pinas dorito acutifino, linea erusta aura inter coulos.
- 5. Symageria, dorfo elevato & cultellato, bruno; ventre argenteo; unico dente acuto in luperiori, duofus in inferiore maxilla extrema; pluribus in palato; pinna ventrali mica, polibranchialibus longis-linuis; doriali capiti caudeque equaliter proxima, aculeis 18 manita. Auntat Bahamenfis the Porgy, Cateboit p. 16.
- 6. Synogris, dorfon igricante, lucrilus ventreque candidia, centis au-reis, a cappen ed cuadam novem plerunque aureis monte per la compania de la compania del la compania de la compania del compania del la com
- 7. "Nuggrifs a brunchis ad caudam lineis, aliis augenteis, aliis aureis, aminus quanti os fagu ultirubusa pinus canturi pinus inulusa. Roops, Box, Arifan, primus Rondel. Box prima, Bellon. Willinghb. p. 297. Roodetziu süllus claus slass (piccies habet. Sparatics utriruque quaturor aureis no argenteis, longitudinalibus, parallelis, Arteib.
- Synagess, dorfo purparoo, externen lateus; ex plurium in totus lutei tel cen exacte, e- mixto qualus lain partible studio colore, ten amis in gyrium centaris cabera, dentiblis disport ordine in n as/ibs, catalis, acutis Gynzelus Bellouts. λλ¢σετς d) Rondelein, Willigan.

V. SYNAGRIS

p. 323: Steinfilh, Stonefilh Angl. figura fimilis Salmonatæ Luficanorum. Labrus luteus, dorio purpureo, pinna a capite ad caudam continua, Arredi.

- d Agrico & Cy is veteribus handines fibidinali & incontinentes, in specie Alphefireads invententia dictory, force quod femper bini espiantus, & alter aliens ad caudam
- Symogriii iride purpurea, fulphureo circulo inclusa; toto corpore lulphureo; ad os desturatus, ut [alendeat, linea angusta a capite ad caudam; rictu amplo, denticellis crebris, oculis ingentibus. Tab. Tab. IX. J. 2.
- Synagris; inde carulea; a dorfo infra lineam fquamis ad oras virideteentibus; in ventre rubefeentibus fuper flavicante colore; linea ad medictarem a capite nigricantibus litturis varia. Tab. IX. f.; 18.63.
- 11. Synagris, iride alba; capite brevi, flavefeente, roftro retufo; fiquamarum oris nigredine imbutis, ad caudam fineam macula nigra 136 notatus. Tab. IX. f. 4.
- 12. Synograss iride rubra; Iquemis & pinnis posibranchialibus violacesis profundions in derio & in ventre coloris; prona umas veneris; doriali cauda appropriante é ani pinna luteis; cauda rubri; octo lineis luteis a capite in caudatu szakógozana; lineis cutantis in dorlo da has five vanius. Salap purpuralecan varieguas; the Lano Snapper, Catesber p. 17. (Pruna dorial levitee finnosis, rat ut al Perudes creferro posite).
- 13 Synegrisi dorio e ceruleo nigricante si lateribus alboque ventre nuiverbuissi sigurina maculular en fiproma parte al mediant usque enudant profuente de programa (e.g. 1) nigreantibus lintesi lateriale, bus a capite ad candan parkayara (e.g. 1) nigreantibus lintesi lateriale, tis dombus; pinna dorrali fiprofuente propuration (e.g. 1) Sulvanor (e.g
 - e) i, e. Macainis cauda ; airter aiu pilces maculas, vel postus macaia infectum caudam, vel un medio vel in ipià pinna cauda, habent.
 - f.) McActropos, cauda nigra. Melanurum Satulianus proxime adeo ad Aurane figurum accedere ferbit, ut non abs se Diphilus apud Athenaum. cum proportionem habite cum Aurans fices palmi longitudiotin parum functor.

V. SYNAGRIS

- 14. Synagrii, ențite complanate, argenece, ventre fishalbide, corpue reisiquo rubeicenes ven parvo mediocribus de seutis dentibus; dorfali pinna fitincia, sequaliter a cupie de cudă diffin. Erphranus gi jive Rubellio vel Pervelino dialama fit 52.9. Willagha, p. 606. Tah. V. 6. Erythrinus Roudelit, Generi. Pegrus în Jouin Paparis tocus tubus; jirde argeneca Arted.
- E) Ourd. Cartulesque rubens Erythinus in unds. Totius cotporis figuram Salviaons
 Autotec finitem casilimat.
- 15. Synagriz, ventre & iride argenteis, dorso & capite success, pinna dorshi spinosis cauda nigra furcata; branchashbus pinnis demissis, cum ventralibus careat; una brevi post anum. Mornytus ex cinerco nigricans; Poillou osseus, the Bonesish, Catesbeii b. 12.
- 16. Synagrii, dorfo & Interchui ex viridi curulefeemibus; denis diodecamie faliciis transversii, sajiciaultus, intervalis squalitus einest iz-9u. 1) in latera minus compressus, quam Auraes; ad cutties agreenes; siride aurea; ore dentibus exiguitis infrarcho; pinne deristali ipinola, a cupie & cuttus arquatire distane. Morturus Ronate, Autro-Willey B., 203. Tob. 6, 7. a. k.). Morturus Ronate, Autro-Willey B., 203. Tob. 6, 7. a. k.). Morturus entre distane. Morturus Ronate, Autro-Willey B., 203. Tob. 6, 7. a. k.). Morturus entre distance. Morturus entre distance de la constitución de
 - Opprano: varios pifeis; pifeis Morroyras dione, Ovidini & Plin. 6 verbo progração, reprimiente et agdos, Morroyrus. Enflachins, goam derivationem nonsulti improbant.

V. SVNAGRIC

- b) Llem p. 1291 Quanvis alti nonnulli pilete, ut v. gr. Sargus, & Perga (prese) ut sque estumodi arcola transperla obtinent, tamen Mossopria multo infigunores de control idem pag. end. Figura corporate Denvisi limita eft, ad latera competitus, sinerate angulitos, denvisio longitos.
- 17. Spagetti, cupite fupeme fufco, inferme e violaceo & rubro nube-cultaro; dorio étato pinna dortí finnola badei coloris; ventreum vertiu rubensiquer albo; infe el anaborina roc fit amplo, finne place teria acastáfinorouma denátum, pinnis branchialibus, unica evental, inm pod numa de caude land ovisi a trubei. In es Muteron fil ha; Aunthea quertus Randel. Willagdob. p. 257. Tala. X.5. forte caum Organies vererum, Randel. Gen. 245.1 in Canterbo, p. 55.
- 18 Synagris, umbre dilut coloris, ventre albiente; labiis craffis, rubecudais; in extremitere anadibildrum deobuselentibus camuns validis, operculis brancharum quadarusus carrulis; pinna dorfali fijinodi, cauda proximiore, unien ventrali, una poft anuus, branchialibus carrus; id en unargovo Sungpere, Caracteris, p. 9.
- 15 Dynagrus pagri vel Erythrini forma, argenteis Iquamis, dentibus tenulbus, roftro aquilino, pianis cardidas, ad quarum radicem manula ex rego rubefenos. Accurse Randel. Luter Fragalinas Roma & produceros Patintos, ed cum non nili colore ab hoc difficut, Wilagbojas Hultury, & cum non nili colore ab hoc difficut, Wilagbojas Hultury po varietare non pro Opecie habet.
- 20. Synogris, totus czruleus, iride faltim rubra, capite balenzformi, oru modieco, denebus in utroque mandibul famplichus, acutifiamis, una acete fibi inviene nonjunctis, ut o deuticulatum fimpetes videatur; pinnez dorfilis fipinis alta membrana conjunctis, dusbus poffbranchiablus, unice ventrali, du ma pod amuni cauda evata. Novacula cartiea Willugbb, p. 214. Tab. O. 7. Ponfion blest, the blue Fifth. Carteibili vv. P. 214. Tab. O. 7. Ponfion

Tab. X.

V. SYNAGRIS

1) another ear regolación, que a colera val validad, de medio la una exchange piñe el carac cerciliara queden foi mon cue cerca ven en mospon por parte la una cumbanca : Oddi, Aria b. 2, i el cerc menha fereção à perção haci bale: "Lutiva pareida piñez, de b. del es que in plante modem mello de mestre ("O plante Tada" y polyar balera cultura pareida piñez, de b. del es que in plante en caracter problem». En non oblimate: Lutivan pareira viran sir-plante, el colora polyar en como consecuente de la como como consecuente de la colora polyar en propriore con consecuente del problem pareira polyar polyar en propriore con que cambio de myor servica fain, de Lutiva guar en propriore con que cambio de myor servica. Em de caracter a circa politica estra piñez polyar con la repactio de myor servica. Em de caracter a circa polyar con la repactio myor que participa virante politica politica

22. Synagris, dorfo admodum elato, capite parvo, roftro acuto, denticellis acutiflinis; iride argentes; totus fulcus, ventre parum albicante. Tab. X. f. i.

IIXXX .8

VI. HIPPURUS.

Ita veteribus dictus. Hicefius immiere nominavit immeraire. Numerius anud Athen, Lib. 7; Immourer: oun Green nomine (HIPPURUS) & Plunus utitur; unde autem pifci nomen impolitum lit, certo non conflat. Gaza Hippurum Equilelem vertit. conf. Roudel, Gesn. Rondelerio quidem ipie pifcis, quem deferipfir, incognitus fuit, cum nec Ariffoteles Lab. V. c. 10, nomenclaria rum indigitaverit. Interim Rondelessus rationibus confirmavie. pifcem frum effe Hippurum veterum & nego Dalune nomen ad id alindere (de quo vocabulo vid. fupra f. XXIII, ubi de Bienno) Arredo placuit genericum nomen CORIPHÆNA. Cum vero Hippurus certo certius a cauda equina nomen habet, quod pinna dorralis statim e medio capitis erigirur, & veluti cauda equina longa villis multis conftans ad usque caudam pifcis producitur. korrobena autem a pinna in vertice incipiente & veluti criftam in godem erigente nomen trahit, quilibet patebit, ambas denominationes aque per un valere. Jam, quod utraque varulat, melior erit conditio HIPPURI præ denominatione Comphene i pam nemo facile formiaret, pinnam roequaram longrandinalem referre criftam in exorty capitis a), quin potius Blennis (6, XXIII.) crufam adindicaret. E contra (fi Indendum eft verbis) pinnam cozquatam & a capite ad cauda remigem elongatam cum cauda equina quadantenus comparari posse, facilius concederemus. Claudicante

VI. HIPPIIRIIS

fie utenque nomenclatura, nefeite, quane perfisientilli-mus Artedus par EMPURO, quen continuit era automa cità giorne XII. lateur, adoptavent CORPERINAM by quis donce in magas adequatum noncone genericam nobis in mentene weneri i HIPPUROSque dicames pifeces Panna doriitali conqueta Empfilma, a flumno retta, de in nitum cubico peripe ad enudam la la competina qui administrationa in nitum cubico periperio enudamento del proper producto, alconorio proposa producto del proper producto, alconorio proposa per accusa del proper producto, accordinato producto producto del proper producto, accordinato producto producto del producto producto del producto de

- Cum iple Arreches Gen. XII. pinnam umcam in dorfo a fummo espite ad esudam uses e confirm agra verte.
- b) gerelet II. fo de cases II. interfecie numbes prisum generica, qua quadrapetrica pilifare victoria, amplitari Re. communa Rost, omnibos distoria. Research Rost, interfecie application de la REPURLIN, fo, e. cueda genera junta propriate il Research REPURLING, for extended delous proque i ray Consulta marine de CORPINERAR Nov. 2006 del Autorio Referencia del Research Researc
- 1. Il Trimat, p.anis banachialihus demuntis, provibus fed latis; in venere longiorbus, nigricantibus ore mediocri; in mariflas; palato de lingua acune dentredunts; fomum nimutis condi forcasi cenum Glauci coloris. Hippu men m. diene mariflas arabitis attractis Lightnervan, Willigdb p. 245; Tale, O. 1.75; C. repriseas caeda bifure. Arrival providence de distribution de distribution.
- 9. Hoppurus, qui Guancapenna Brail, Marray et Dorndo La. Aurnius plieis Morendrey i Dollyn, delvi; an iden cum precadente coloris in capite, dorlo, laterbus, ett é in pennie, previous agentes mins ; in wente allei y toto corpore mealls wirepartic cruders vid. Marray vie, 11. p. 33; Ed. Angli, F. Dornde Robert Neutriques Harya V. (P. II. 33; Ed. Angli, F. D. Dornde Robert Neutriques turpre; Dornde des Marchets per Lohat I. p. 43. Caudio, Mpf. and Delphanus, Phylerce, DELPHACUM, for caudio, Mpf. and Delphanus, Phylerce, DELPHACUM, for caudio Mpf. and Delphanus, Phylerce, DELPHACUM, for conditions and control of the control of t
- 3. Hipparus, quattoo digitorum; iride surea, cauda parallelogramma; Alter duo fili rubra un froate; inque maxilla inferiore duos folunmodo denticolos logos de atues, alter maxillas ordinats quali e minima denticulas compoitas habent; ultimus un lateribas lineis cauvis obleure purputeis variegatus el. Puntara dur piecies Marcrantina de la companya del companya de la companya de la companya del companya de la companya del companya de la companya de la companya del companya de la companya del companya del

gravii ;

4. Sar-

VI. HIPPURUS

gravn, Willingbben, cui alaudz species esse videntar p. 134. Tab.

- 4. Hoperur, Apricustro, potici alto, vade carren, in corpore sco, competio, Servet Sis, to perso, contribute chanks, a rest Sis, to perso, contribute chanks, a rest Sis, to person, and the conversion of the

6. XXXIII.

MONOPTERUS, pinna LONGA corquata, deutibus latis, robuftis;

VII. SARGUS.

s-MRGUM, SPARUM & SCARUM hare & roboths habere dences, in mrise plentangue landes, oun exterbance attreet. Leve loss de SCARO veren in Relonari. Dentobs set obtails, quarian mactern notice. Lat peri vis k. etnde & eximume explan tradice, material explanaria, and produce attraction of the control of the definition of the control of the CARO ON IR Roboths, quad extra special produce and the control of the control of the proper tolis kines, & et sCARO veron, in each elenable acts of proper tolis kines, & et sCARO veron, in each elenable acts of the control latin a stuppe specialform in prices word, qui octrice humans. Lindes—habs. De SPARO Roboth & Bollowin: Decite codern mode disposition time, at an Acata, jet an SPARO late & threams. VH. SARGUS

inci oribus omnino fimiles; & Williaghbeius de SARGO, quem Genus deier plit Unicus in utraque maxilla dentium incuforam his dans li misu n ordo, molares quoque quadrupecata molaribas firmles &c. Rondelettes & Bellomus Dentes primores non neuts hast, & act n de, as n Amero, and at in Space late & hamonis mete to strates; Section Vacanae: Denubus laus huariousque fix ill mis. Unde eff, qual hos pites ad genus peculiare reteren, is the null dishitaterim is; hoogee SARGI nomine infigure placents qui ve, in taraque mandibula latos, vel in inferiors, tales & solute in Insertore autem lates & Jerratos habent, Arte . is protait, c. Cantharos, Melannos, Rubelhones, Dentice, Sugar, Loope, Manus, Sum Ls, Mormylus, Cheangles, Orphos, Auratos & P 100 SPAROS dixit. Nec habent nominati prices, ut vult optimus autor, dentes molares ut quadrupedia; licet caninos: nec primores humanos. Sunt autem SARGI, Scari & Spari dorfo repando, ventreque prominente.

- 2 Sergius, planis ventrallias minoribus fiducijas, pofibranchialeas of mervichos fiducibeis; pina di una unico minica aculico; cauda lumas; ventre fiducibale pina di una unico minica aculico; cauda lumas; ventre fiducibale pina mencia nozia fiducibale decentralizatione de caudam rigar mencial nozia fiducibale decentralizatione de caudam rigar mencilo cauda (que se dilis pilicità, artificial la mario, comunic); assidyanosas, multanua, hacento, hacento, in mario del mercia fiducibale per por 75. C. s. Spara, nacestata setta servica del cauda del mencilo del menci
- 2 Sergia, Jouns ommbus, except dorfuell, colore flavo infectis, pagamis lama, n. fli-epe mechis vel tratverfis vel longitudishitution, n. fli-epe mechis vel tratverfis vel longitudishitution, pagamis flavore fla
- 3. Sargus, colore executate nigrefeente; ventre caudido; macula mara in casaa; denrebus plans, ex offeis tuberculis in marulta; casada jara, non divina; impercinis culoris andici. Scarus onias Rondelet, Sargo affinis, Willighb, p. 59.

VII. SARGUS.

- 4. Sargari, oculas & ventris inferiore parte, purpurei coloris; caeda indici; reliquo corpore partun ex viridi, partin ex nigro ceruleo; dentibus in fuperrore maxilla latas & denlis, in inferioro acutis & raria; pinnis branchialbus latis. Scerius varius, Rondelt-Willagbb. p. 366. Labruse purpureo, visidi di nigro varius, Artedi.
- 5. Sergut, ex livido rubous; finama latis ét mandacidis ad caude latera appendicibus transverido éc emineacidus; transverido est parte appendicibus; nitro de mineralistis; transveridores, nitro appendicibus; nitro cum fercibus cientires describus como expenses, aves; in Creta locis forquens. Scarus Bellas, quem veridores, aves; in casa esta de la utroque lemideter divertima; Wilhophis, p. 56. Servidor i. C. da la función de la como carcana, Arriell. Cerebrum Jovis, Eunil. The Cudor Chewing-fifth, Charleton.
- 6. Sargur, dentibus in inferiori lutis, in fuperiore mandibula ferratis irde lats, rubras, cauda lunata; ad caput, gibbofius; colore ex fuico viradis (quanus parvis, pannes futores. Tab. X. f. e.
 - Sargus, ventre & dimidio capite inferioris partis latefeente; dimidio corpore, dordim verfus, ex fufco viridi; aride viridi lata; cau L. circinata; duobus offibus chuneis latis, parumper ferratis in utraque mandabula, dentium loco. Tab. X. E. 9.

6. XXXIV.

MONOPTERUS prima LONGA coaquata edentulus.

VIII. CYPRINUS:

1 3.

Dorio a capite repando, in extremime cultellato; lateribas proficiolesse, ventre arcutaro. Si figura corporis produch, magis nu avec tat. Pinna dorbiti tunca e medie dorif verius caudam plas minus excurrente, cooquelas, i.e. dorio evertuniase redocamlere parallela; pinna vero ani contracta; unico seculeo in dorfo hamato data, plus minus robultas; labris carnostis ore edentulo; in gala offilos, demumi loca; capite, pro corporis ratione, brevi, procur se data prilesses, quod eventulm tilgue formam refere a).

a) vid. Annézi. C. Li. p. 171. & Wilingdo-Jum. Inn. drift. Lib. IF. c. § Nonusui platrum errodum pro-angue ell, velat met florisalles Oprino, is us in mi olic, guete impererai signa elle velatura. Oppini anatoma vide apol designa, estando Magical Leis. de pifest. pômom fe Oppinia stroma vide pod designa. Estando Magical Leis. de pifest. pômom fe Oppinia stroma fin Anglam batulife ferria. In

VIII. CYPRINUS

Pralliam orientalem, tribus milliaribus a regio monte, in practio Nobili, olim da Gotzen, Arenderg diello, primum Gyprim, qui Rarpen, ex Shelia, fed neltus quando, introducti. Communica dillinguantur in Oprimus finaplicime de in Oprimus control de la communica de dillinguantur in Oprimus finaplicime de in Oprimus control de la communica de communica de la communic

- Gyprinus, circolus s myhanibus duchas justa nagalum finprineria, lahri i lipurqua sella supendice dula besiriore, apuna consila eura j (quanus amplis) dorio fuñco. Careras culor, pro tetione estate suage magiague tricirium abile. Dorialis pinna liute, veneralibus ce illa ab ano fine/ticmibus. Cyprinus nobilis cominim ante-rum. scores, securesic, Cyprinus, Arplise, Sargo, Sargo Cerru. Carpo Gallis, Raina, Peter, Euròrius Cerpanus, Remania. Carpa nomutalis, Carpa Augil, Karpe, Belgi, Williadh, 245, Tab. 0.1, Cyprinus, cirra quanto, officiale texto pinnerum doria an uniculai stamoto, Arrest. Gyprinus 1. Marilli p. 37, Tab. g. Cyprinus, cirra quanto, officiale texto pinnerum doria an uniculai samato, Arrest.
- 2. Cyprinur, cirrolius, fiquamis quadruplo vel plus majoribus, quam primus, hue staque lluc nudus, durioro cute. Squama qua parte infiguraru, pellucular liant, aro integri ordinis fibi fincedentes. Cute circa dordinis muga; circa lucen à calvum aure coloris. Cyprinus Ilan Manfilli Tab. 2. Seligist-serre, Ratripur Salua, Artifus hunc nuen habet, nec allus autor prater Marfillium. Dre... 1- plus venum exponitur, unde piticum accopi ficcutaru.
- 5 Oprinus imberiis, amerione doff, porte & ventre altis; capite valde declivi , ore producto; polivitore corporis parte contracta. Iride cociorim rubos. See presente de la composition de la contracta de la composition del composition de la composition de la composition del composition del composition del composition del composition del composition d
 - b) Ab exemplo piles liceati ex Gazophylacio Dreadeuli desumpta descriptio.
- 4 Oprimus brevis, dorfo repando; coloris fubaurei, pinnis & dorfo rulteis. Giblichen Mifener; Oblo-Rereute Gerdan. Caraffus vernaculus; genemen States, Stemuskens, Systematic Systematic Communic Development Caraftus, Charax, Strattlefe, Statute, Schonzo. Cyprims dorff Ha.

Cooris Inper aureo unthantils. Tab. XI. j.
 Cooris Inper aureo unthantils. Tab. XI. j.
 Coprinus brevis, totus fuleus, minutus; cauda attenusta, cujus pinna alta inciliura divilà; capite declivi & reliquo corporeovatus, lateribus carinatis. Tab. XI. j.

6. Cyprinus brevis, leucophaus, espite declivi & breviuleulo pectoreque albicantibus; iride aurea. Tab. XI. f. 4. pilis tennisfilmis vix perceptibilibus in capite ex Iquamis & radiis pianarum fluchuatibus, brevibus.

Cyprino brevi congener; posteriori corporis parte angulosa, capite
producto, pinna caudæ attenuaæ longistima; ventre plumbeo,
quinque Zonis transveriis brunnis stiper carneo ad ventrem usque;
piferculus manuaes. Tab. M.: 615

8. Opprints pinna ani duplici cauda trifurca. Att. Stockh. 1740. p. 465. Sinculis Linnei, in Dania educatus; vid. Faunam Suec. num. 331.

6. XXXV.

PROCHILUS, πεόχωλος, πεοχαλής, labris prominentabus, labrofus.

1. Prochilus, ovatæ figuræ; macula fulka magna, ad inflar aulæorum Tab. XII. 6. ephippil e dorfo dependente; figuamulia lævigatis. Tab. XII. 6. I.

Prochlus, corpore angustiore, in medio sassia lata a dorso ad imum ventrem, duabus dimidiaris versus caudam, conicis; linguam folium ore exferens. Squamalis lavientis. Ibid. f. 2.

 Prochilus, kwiss i decibus carnatas pinnarum ventralium loco duabus fub gutture fer... is bifalis s coloris leucophæis dorifanii pinna nonnihil punchata, post naum, qui in medio ventris, longas lateribus func incle lateus garis utcurvis. 1binl. f. 3.

4. Prachilus; capite producto; pinnis ani, dorfi caudæque maculatis; branchialibus oblongis, albis; reliquo toto corpore, ad lyncis infar, maculatus & falciatus. Ibid. f. 4.

FASCICULUS UNDECIMUS.

IX. PROCHILA'S

 Freetit, Ingua folita; ad latera feptem lineis longitudinalibus, dot a prixita a linea ex hortulis fendifinibus conjunctis, reliquis rib, ex circulto concatenatis varias. Tab. XII. 57.
 Preebilus, parvus: ex álto & fuíco varius. Ibid. 6.6.

XILLEG

6. XXXVII

MONOPTERUS: PINNA BREVI, ad medium dorfi.

L BRAMA.

BROMAN,
Copper late of fulfis edental, st cal up m u doribl's in medio de
angulais habite scassari evant i prante camento acropopolitamaniferential proposition of the control acropopolita proposition andiam punte long, see exceedint as a spice oppolitate
communica clientum Sperim Inte, quod none al Josabos, discoficiente stackis, unde el quanti-Intendent agrada e true Coppenio
recentie et le vi or glavo, est ultilas in lanchist (non tamen om
place, y a weight a reto, e e un see a superior de control
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proposition and proposition de control
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proposition and proposition and proposition de control
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Quin Cyprishis pointain dorft habest longain, & parallelom, ab ano sutem brevens;
 Prams e contra habes pinnain dorft prevens, ab ano longiorem.

 b) Omnes pices edentoli, brevi plana in medas dotă, curpore fant vel lato & folfo, vel ș. lo & calligato; ultima vel barbati, rat insberiore; que euforâtio maxima natora n., vel coqui perț, ic a ci. 6, vale;

1. Brama. primo radio panue dorfalis fumplici (non hamato, et in Cppram) in caroli ex caradeo nigircians, verfus vertreu ex auro pro carporis magnitudure provincema fa amplisa capute breas de pro carporis magnitudure provincema fa amplisa capute breas de pro carporis magnitudure provincema fa amplisa capute for experimento de cubelladore for provincema provincema factorista francia francia de capute for esta ampliante capute for giunis de operetir branchiaron de cubelladore for esta ampliante capute for giunis de operetir branchiaron que rentra en capute for esta ampliante for esta ampliante capute for esta ampliante for esta de la capute de la capu

I. BRAMA

Marfilli Tah. to. 17. Maribas, Mario & Aprili menfitus, albicantes durique claviculi, pifestorbus flores dich, ex cute & futamis protunntus; his menfitus clapits dependantus; unde eft, quod tune appeleatur Cypira danur, 2002 «Neudijim o); Cypirats clavatus, five uncirciamentum Pigus Saisana, Rendelet. Gene Brautal. Marfilli Tah. 6. Cypirats Pido, Pigo & Pigus dichus, Areidi. Iden pulicis eft his turcoque nomine, non divertus.

c) De que Filinia I III. De ce, y 15. Des lacus Italia in malechen Alexan Lexis de Prefessora applications en ma qualtum general conducta anti- unreplicame sorra unatura figuran consequent archivi stepa, areasenir, c'hivienne caligrafenn ediger, nec empirio gann carea com neteniro videnne de Aprilione. In alle carea caligrafen en de carea primerario videnne de Aprilione in alle antiquam a me, hoe carea mille devia caligrafenn en figura, ut Unitus refert, non alex anguna a me, hoe carea un carea de aprilione, correla que archiven para carea de carea care

2. Brame nans, cauda incurvata yel cetorar i naribus ampliffunis, one cotundo. Velt-signafien Sekonezdili p. 25; «Sunt mi Silvi Cyprim a lati, caudam incurvatam vel finuntam gerentes, acti ea bis fracha pulificis; Pittatores vocant Eao-Bistafien, quan fedigorate, quebus confipedis feici omme ampiam capturam fibi polificamura, velt Tab. XIII. 67.

b. XIII. C.

3. Brenna dodrantalia pletrunque, Brenna trasa paulo cerifior, colore ex autos finiveirante, lioris per orunues fiquarismu ordanes checks, ventre lusto e internorbus pininë de rauda rubpro colorus-prima dori rado primo harutuis afteror, cotalia parvis de prima dori rado primo harutuis afteror, cotalia parvis de prima dintra orbatum fiabifecultuis. An Carefilia firmplicate dichus colorus de la constitución productiva de la carefilia e travita genues, Guerras prantapan. Alfare. Balleura, pede netre Schoszechia; Bordeliure Gallia. Cypentus latus alius Garna Ratisbonas, Whilegho h. 240. Colorolollate devide.

4. Brenna, ex plumbeo argentei coloria, jueza ventrem diludioria; pinnin ani écuade fueitis; rediira i man i puna, y tri admini, comudemme extra fibrolia. Bilicaz feu Albumus lacultris Gern, liferea Meng, Olmen Schomer Dell'eura Rendell, Feil a, Majales, Polit, Peter al Meng, Contra Schomer Dell'eura Rendell, Feil a, Majales, Polit, Peter and carear, accounts se Novaché, Feil a, Majales, Polit, Peter and Contra and Contra

6) Tot radios na mulo mumerabis hajus generis pifee.

L BRAMA

5. Br. muna, pinnts connibus conn cauda rubris, doráhi nigiriconte, Isrealubus flavedice urdus; a junga luncam agenteman punchtann ex fluto carnicletens, infra lineam Isterilou argenteus totus, lequanis anaplas firstis; doriró à ventre tono a vertire de a gule an ovastam figuram arcustas, capite paro i longitudine pedent vis fluperans. In the contract of the co

6. Brama pinnas circinais & ciuda atris, cardinafualas pilitis, colore exarto falvaciante nivindente responsibios diare favorations; igiumus parvis, tenalbus & tenacibus (fecundum Sadriamam, valde contexis) muoco videndo obducile; naribus valde parulis, in quarum inceditio cutteala austicula inflar; a popendice ciera ad committion citico cutteala austicula inflar; a popendice ciera de committion in citico cutteala austicula inflar; a popendice ciera de committion in citico cutteala austicula inflar; a popendice ciera de committion in citico cutteala inflaria de committe citico cutteala inflaria de citico citico cutteala inflaria. Contenta de citico cutteala inflaria committata de citico cutteala inflaria committata de citico committata de citico committa de citico committata de citico committa

6 XXXV

II MASTUS

5. Bra-

Commerce adligates, burbantus. MYSTUS vel MYTUS dicitur in a commerce adligate, burbantus. A vent Barbantus com Barbantus. Vent Barbantus com Barbantus. Vent Barbantus com Barbantus candaque adoc ingularibas. Vent de la companio canda commencia com la companio canda companio canda c

- 1. Adylar, Dorft parum accust fed cultellar, colore dilute oliteaeori figuantis medicierbus, punchlis megirantisus ad unque ventrum argenteum guttatis; wentre felfiti, fi piles projectus; roftro protection or dentuto, parvo i niperiore mandibilo longiore; cuado bilirez. Maximus raro 7 aux 5 lbrius execulir. Barbus Roudelet. Gennera Bathei Wilnighto, p. 27. Starley, Spatelle Schaere. Barbus Roudelet. Gennera Bathei Wilnighto, p. 27. Starley, Starles Schaere. Carboi. Barbus, Berney, March & Hillips, Derrope Martin, parvis, and carboi. Protection of the desired for the protection of the desired for the protection of the desired for the desired fo
- 2. Myflar, fimilis primos fed pinnis & cauda fingularibus, bongifimis, quali squa nuceratis in languiner fait y profunda sinc inter railbut its; nee legi nee vidi ante ejusmosti pilem lipinoim. The trailbut is presentatis un coulem thii norderit. Sarviar sièmig appelbatus; nee inepte, quod Reguli africani plerumque vel laterizi plumi lipinoim. Tabl. XIV.
- Myllus niloticus, expanfo ventre, quandoque viginti libras pendens, Bellonus.

6. XXXVIII.

III. LEUCISCUS

Cosocio de processiones de la compania del compania del compania de la compania del la compania de la compania de la compania de la compania de la compania del la compania

a) Orginalum Jaylinias Ceptranem appellavit. Utrumque nomen mini valet; omnes prêce etim fuor capitalis omnes laborit capita plus minos vel nagosa vel pores; peliniais de Ordinia vaciento Appellavina, de vidente Gostili nomen volgue. 2 Cephalo deparvalit. Arreda nomen genericam eli Squales; Prifem etiam. Calcurque involventa voll. Alpit. Ett. p. 1-prif. 29.

I. Leu-

L'euc/far, orgenteus; longitudine ad luitudineun quintenple; onne artilis pleses immolibul an intériore longiore; pupils albiei, pia ventreun valde curvans; cauda firenza. Capito fluviatis mol Copitalis, rapar, glape Leuceflos feu Aburno non albinulle; schopellus, schopellus, glape, glape

a. Inneifus marstus, ex argenteo colore in aureum refipiendensis ride rubris (quantis tenubis, in ambitu levobris cuda furcata, corpore enditores, quant primus; capite brobes; cuda furcata, corpore enditores, quant primus; capite brobes; cuda furcata, futurata, f

b) De pifee Gedarenfi Biege infra, ubi de pifeibus monopteris prope caudam, confer. Charleton, Evere, de pife, p. 33, soum, F.

O Non Actorfe el e, que hichea le lateregia affinit nec Gulb e gitil Academani. Con aditi : a finite reum de ficera , place cernia : cobere publica argeneso, vierio ne aditi : a finite reum de ficera ; place cernia : cobere publica argeneso, vierio como mentione de comparto de la comparto del comparto del comparto de la comparto del comparto

 Leucifcus, dorio fubfulco, pinnis branchialibus fupina parte rutilis, punco ezrulco admixto; maculis magnas albicantibus, pupila nigra; linea punctis fulcis deferipas; pinna port anum 20 radiorum; in faucibus dentatus, ore edentulo. Capito Anastromus d)

HI. LEUCISCUS

quem Mifeni Zerte vel Blike Gerneri vocant. An idem cum Nafo Willinghb. p. 257. Сургания, Саріто Anadromus dictus Artedi. Сарно Anadromus Marfilli Tab. б.

d) Perperm involvement; multin Leutilon in mare neferadir. Accolar florinorum fisperious Germante a tudennia effe floring genera picker formationat, evid on o normbasimi compribilis ju and los cripped user, Affenderic equidon defectationer et discussional cases in preventant or New Tasis, innon intenti in marts, fire in apass talks, proet Stutience & Crititation florinas Schinners, if does in marine floring tringgester.

unter, quen por us llates temperatus retrograda fine

4. Lues[inet, in dorfo & lateribus flovients; into ventre albieante; fluunis arganteis; pinnis burnoulnistas ese fluros parquanis engrateis; pinnis burnoulnistas ese fluros parquanis engrateis; pinnis burnoulnistas promuentais units, albie, lateribus Aprillo (2008) promuentais units, albie, lateribus (2008) promuentais units, posteronistas professoro (2008) professor

e) Pront Erme I. mentibus: Martin & Aprill. Garr ift erg und lyfnarob fifeba bgon an es Orfus detur Willughi. Q. 9. woog :6 flut, 1727. d. 12 febr. Reberg

5. Lustifust, fipithane longitudinis; fiquamis najasculis, in dorfo furnis, de quality vidibus ex-curries colludentibus; argentes in laterials. Canpto fuviatile, fee fiquitacininos dibros, Margilli Toh., Amigli Sei, Cephali fluviatilis (pecies minor Genner); Wilinghb, p. tot. Haiel German. Haiel Tygar. Schoolifth, Argentina. Weishth impliciter Multera. Cyprinus graedis, oblongos; crastifucilus, dorfo craffo, pina and officialrum orogen, Artoli.

6. Leneffus; Planis boanchiablus floricantolus; dorfield, ventralibus, and éc canda pellide falixis; iride lutes, inten amplum circulum lutium; Nolasi mas; Ida. VIII. f. Alber, Finnun f. e. Here, pinna dorfali jidique dorio ex carrileo ingreantibus; ventralibus pinnis de methalibus certes; iride anpla aggreta. Gedaneribus promitica est de la complexión de la comple

III. LEUCISCUS

ere-fieß & wills of percii. Mafault tempore generationis multisnigers meanliss per totum corpus imode in prima necasi; vol. apud Mar-filtum marem Tab. 3; a gusd nos eigsmodi pilicus wairus erchers macalis fulcis, jumna post somo wetratibises & bennehisilitus ru- rus, benutus bunte lylkge dietur Tab. XVII. 3. Cyprimus vorbro nafa. xvi. formi, promaneure, prima am ordfellorfum qualurordecim, dreigh, 6:3

f) A roftro obtulo, picem appelinte Naform, vel Naforum, mirerus, quod non Inhent naforn; eli nalecas, non quicento findio, quo Plastas uritur, fed toquendam consvago. Habet develora ilum Cyptumum 33) rofto mediformi, dorfo acominato, pinna ani officialerum visuali quaturo. An Cipule Andecompa darifili 374, 43.

Leneifeur, brevis, pinuis branchialibus parum rubentibus, dorfalit
finuofa, cum reliquis & dorfo ipfo ex caruleo fufcis, caterum
argentus; capite parvo, iride argentea lata; Godan. Deb Geifters Tab.
XVII. f. t.

8. Leneifeux, corpore valde caftigato; exterum Leneifeo 7mo colore finulis, prester pinnas beauchiales, que fiavicant; capite producto, ocula minoribus. Gedan. Guifer, Chorn (Churm) (316); ob figu. 736. min corporis producti; quali turcii. Tab. XVII. f. 2. xvII.

 Leucifun, dorfo & pinna dorfi ex ceruleo fueis, reliquie cum cauda rubirs, carterum argenteus; capite & opereulis branchiarum ex argento & auro variegatis i ride aurea; inter Plocenas, 9060en, numeratur. Sunt autem 906en rubelliones, quorum caro fine Tokarifus. Tab. XVIII. f.1.

 Leucifeus, capite, dorfo, pinna dorfuali finuofa, & cauda ad nigredinem fufeis; branchialibus, ventralibus & ani rubris, iride tenui aurea; reliquo corpore argenteo. Mohren Royff; Gefinita Gedan. Tib. Tab. XVIII. ft. 2.

 Leneifcus, argenteus totus, capite parvo, labiis craftis. Squalus Salviani; Alburaus Aufout. Leneifcus Galeni. Capito five Cophalus Gesneri, Rendel. Capito Aufout, Ale Bavarorum. Marfilli Tab. 41 vide apud ipfum diferepantian autorum.

12. Leneifent, ex albo dibute fuícus; in ventre dilutior; ad branchias pallide rubens; ore amplos maxilla liperiore longeore, in riferiore quinque vel fex exertefentais habet bevees, quas dentes (potius ventucas) dixeras. Albumus americanus; Merlan de la Caroline: the Carolina Whiting. Cardevic in 12.

III. LEUCISCUS

- 19. Jezus/jus, dorfo enffo, curinato; lateribus preflis; pinnas tempore hyemali furentibus, & tempore alteribus preflis; pinnas tempore flavustilis certileus, Gezu, Aldron, Gengling, Steats/Rijd, & édoce durálleus, Capito flavustilis en Gengling, Steats/Rijd, & édoce quidam, Gen, parable, Capito curvaleus Williagole, p. 376. Scheut & Koppen, Viennas ; Jenufica de La Gengling, de parable de la Gengling, de la G
- 14. Leussiaus, itx digitos longus, capite nigricantes iris de initia pin-narum crocetts canucula al benenhais, fuçuante far amplis abtectantibus y corpore toto de capite. Para para de la mojor de initio Willaghb, p. 267, Rei, 390, Bambele Transa. Gen. Minor, Pilosaius lavis Schone. S. varius Charlet. Bolde la beta p. 43. Tab. 18, 1.2.3. Citiq, Entre-Sifohen. Pilocaulas varias binde de la Margine Capital and Margor. Capital sequentes qualitation de la margine la proprieta suparlimentale, indice croces, marquel hand Margor. Capital sequentes de la margine la proprieta de la margine de la margine
- 15. Leucifeat, flupri lineas laterales punchatas, cittrinas, hino inde ductu nigro do oculis ad caudant continuato. Gislogine dargufa edektas. Willinghb, p. 263. Tab. Q. t. Pinnarum numerus, titus, & cfigura, que in Rutilo, & reliquis congeneribus. Cyprinus oblongus figura rutilis, pinna ani officulorum decenta; Arted.
- 16. Lewifeus, dorlo ex viridi fulco, quem fapra lineam in ventrem curvatam longitudinalem rulus fequitur color, toto ventre argentos. Av.ii. Uckeley Gedanen (Tab. XVIII., f. 3.
 - Leucifous; ad latera capitis auro & argento fplendens; in dorfo argenteo viridi & multo indico; pinnis in infino ventre ribris, reliquis & cauda pinna aurei coloris. Piaba Maregr. Willinghb. p. 269. Tab. Q. 7, f. 3, Raj. Syn. p. 126.

6. XXXVIIII

IIII. HARENGUS.

Diu deliberatom, quo nomine pro quano genere utar, quod me uon latent difeeptationes autorum de Trattis, Triflis, Alofis, Chaleidius, Aleetbus, Falecibus, Sardius, Sardis, Euchafacolis, Harengis, Clupeis, pluribus nomiabus de cognominibus, vel

IIII. HARENGUS

generis vel specierum. Non gustabam Alecis, halecis nomen. quod Alex muria conditaria genus vel Gari Ipecies antiquis fun. etiansi pilcis, de quo nobis elt fermo, alinde live alungo falfirs, ad liquorem Salfamentarrorum idoneus, prout multi alii pifces; nec Alofa nomen arrdit, qua Seiara five Gerara, pifeis admodum ariftolus phermum, Trille & Clupen, Bagerte, Dan Biff, Milen, Effit, Schad Pilchard vocatur, & de quo Aldrovatidus p. 400, ex proteifo egit. Aloiam non effe Clupeant, qua de re legi meretur S. Jonne in Alola; fol. 104. Sic & Chipen, quo nomine generico Artedus utitur, confunditur cum Alofis, Triffis, Agonibus. ut fapius atates pilcium, admodum incertas, in fublidium vocaverint autores; quodque infuper nomen Clupez, autore Plimo, incerta off originis, qui Libro IX, cap. XV, minimum effe pitcem ait, ex comparatione cum Attilo, qui maximus est; & alibi Plinio (Lib. V. cap. XIV.) Clupca urbs firit, Floro (Lib. IL cap. II.) Clypea, & Livio (Lib. XXVII.) Clupea urbs, qua nunc Zafaran audit. In fumma, autores de nominibus apud veteres ufitatis mirum in modum fibi invicem contradicere, nominaque ac cognomina confundere deprehendes; & vocabulum Chalcis, Ari-Hotelis, speciem denotat, non genus,

Itaque confultius effe duxi, incertum & controversum suis locis committere nomen genericum, & vulgato HARENGI nomine uti a), ut a potiore denominatio fiat, barbarum licet fit. & neque latinum nec gracum, nifi forte ab H'acos Artflor, (quem Artedus p. 15. citavit in CLUPEA) denominationem trabere velis Harengi, vel Harangi. Hoc vocabulum plurimis populis eft notiflimum; Germ. Dereing (*), Daring, Bat. Haring; Gallis: Ha-renc; Hifp. Harinca; Italis Harengo; Angl. Herring; & a Rondel. Gesn Schonev. Jouft. Willughb, Rajo, Nonno, Schwenkfeldro aliisque ad batustatem verfion. Lat us autem nomifibus omnia exparece cupiers desands cools s rebus ipis offundit, its ut de iplis data le accepante nalieura relinguit. Rondel. Solis Sueers 5.1 dicator Neep calture populian arter, quanta multitacine ad Scotta , Atiglia , 11.bero e littore , taxti Norvagiam & in mari baltico b) c. prantar Haring, proprie Infl, unde überrimus queflux a creatura. A menfe q appe ful o a . Novembrem capiuntur, f. hannar, maune war, condu dur, premuntur c) harengt majores & nanores in Caliban, He panam, Itahan &c. infinita multitudae experiment, quibits in it gratiffing merces; quosdan Hifpani Lamados appellant. Sab hoe nomine generico ornnes balcculas. Lamilos, Sardinas, Chalcides Bellonii, Enchraficolos, Pilchardos,

III. HARENGUS

Celerus Gallis, Spratus Auglis, Ethodulus finus Benhalic & Dantifeani, Jude Bothnicus, 8 Michames, Side Joenney, 8 qui plures, cerle comprehendums. OMMES funt corpore lateralities (in smitus perfoli & producto, or estitumi pedantes, dorrò laro, ventro plerantese salmodum cultelluco, pinna ventralibars e diazotta pedante del consista de la colta de preferrati no condisis e infunsatis, a capite ad cutdam dernalenda. Omnes fex pinnas breves de celles e) habetta. Et mai extratfo nome bevel y estipanto Counes vel Gare conditi vel infunsati in mercaturum cedura, con control del con

- a Cum deboucceddo; qui pag. to: In pentiria alterno notiffima de vulgaristima ad latenam terminarionem traducha utendum. Elifore. Latino Anglo Sasson. Tatubus Balles, Hearing deturar; Esteles autem pon refle, el enum es Gari ficeria.
- (*) Prezel Addio, quel mutilicadne komunes ablanque lecorum in tileze neigrenssum executor cuncimo un, set el se giero (Partigui en grando provinciare Addicost, anderfiniar seta (Rain), e.g., vi. 14th Ole A. L.A. Zir. e.g., g., Col hirora. Escuto, en Ole men ma piersumo kustocorus, fed cuna in agento, in hipman, son della como della como della como consistente. Communerari estre, enperadio ablança migranes caputarias un tree fe fichalter especials ablança migranes caputarias un tree of fichalter especials ablança migranes caputarias un tree fe fichalter especials ablança migranes caputarias un tree fe fichalter especials ablança picticus.
- c) les Gembelenne in Beltminde fün fel. 1855.
- d) Chaleldem Ariforetis Gaza vertit Aericam, ab are, cojus colorem refert; fed intellige, fi infumata fectit,
- e) Nifi excipere vells Harragum volatilem, five Hirundinum marinum pikem; utpote, qui ad pilets pinus dorfili ad easdam proxima pezanet; non ad Harragos.

f) Quod

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f) Quod & alin pichtus commune quidem ells at Troux 18vx vel Marcne, cou-

- Harengur, vulgarie Roundete. Gest. Aldrea. Chalcidis Species Belloms ;
 A Herring, Willingbb p. 249. Tob. P. I. Herring, Haring obsque cogenius, And. Syn. p. 429. Sterneenflast instincts Sylen, Echinenstein Challenger, Challenger, Challenger, Challenger, Lander Sterneenflast, Challenger, Challenger, Challenger, Lander Sterney, Greek Challenger, Lander Bellow, Challenger, Challenger, Lander Challenger, Lander Challenger, Lander Challenger, Lander Challenger, Lander Challenger, Lander Challenger, Ch
- 2) Harringa vollprass Willingholpus p. 220. See halte geformate. Primy is crypt-page, v. qu. ext. a. & exclusif, a regular contact from Mark Harrings is re-naple (the most herring, name quidem malels, mous tames p. qu. p., n. y-r. Varieng an authentic (the most herring, name quidem malels, mous tames p. qu. p., n. y-r. Varieng an authentic (the herring of the eight) modes maybelings, miles program and came folia: (pure Harrings nepture (Picke difficus)) done retrieve implement explaints, fields are trepart upon; 18 Harrings never (5 dontient) explaint qui page person de la lefe exhaultst (four Harrings nepthins (6 dontient)) du improprie of delinethe excellents of a pre-treparent natione delinethe. De retrieve four delinethe excellents del present page (and p. delinethe). De retrieve delinethe control of the delinethe pre-treparent delinethe excellents del present page (and p. delinethe). De retrieve four delinethe excellents delinethe pre-treparent delinethe excellents del present page (and p. delinethe).
- 2. Lisragus, capite auro, rebernfunque colors in commifiuris ée ad marchinel, felendenes et dort out entrale expane, ventre argentanta de la commitation de la commitation
- Harengur totus argenteus, fiquamis majoribus, mandibula inferiore longiore; ultra duodecum politices longus; A Pounder, Rep. Syn. p. 159. Sleam Vin., Jan. II. p. 282. Lab. 250. f. 1. m. figura pottbranchiales pirunz funt omifig.
- 4. Harengus, pinnis luteis, nigris maculis variis, squamis minoribus rostro longiore & acutiore; A Geroom Raj. Syn. ib. Sloane p. 282.

5. Haren-

IIII. HARENGUS

- 5. Harengus, ad fuperiorem branchiarum angulum utrinque maeula nigra h); linca ferrata in ima ventris carina, fupamulis clypeiformibus. Harengus titulor, five Pichardus; the Pichard. An Apua membras Rondel. Genneris, Chalets i. e. Celerinus Gallorum Belloni? Willighb. p. 292, 72h. P. 1. Raf., 5yn. p. 70-4.
- h) In omnibus, in mommullis, 4 aut 5, ordine recla crudam verfus; idem erit, qui nobie Tish XIX f. 4; nofiratious, Barber; Pardelus
 - 13 Willinghbeiter Sprattos & Sparlingon Anglie dieften (Baravis ertam & Sinfteariber), non mil Barengorum & Pilchardorum fobolem effe exilimat; vide Barengum minorem Caterbeji Tom. II. p. 54; in quo pinna dorfalis oblita non apparet. Sic & Rajui Parengum monorem, a Sprat, quiequid vulgus pifestorum reclamat, pro Harengo juntore habet. Idem fencit Stone It. Fam. IL a. 281, I could not find any Difference between the Sprat and that of England &c. Sed quare & in hoc piece pinns branchieler omillie? aum utique differentlam demonffrarent; wiel. fie. Tieb. ere. f. e.; argumento, quod feetus Harengoram Europecorum, parentibus fimiles fint, hi vero pofibranchialibus punpis non careant, SARDINA Rondelessi, Aldren ; Sardina Reme; Sardel's Fenerile; fex matulis nigus in lateribus, varietas Hatengi 5tt, minus lone 2 & lata. SARDANUS vero Italianam, Hatengus recentiorum; Willinghib. e. 224. Fice: eff cum Harengo Imo, quamvas in Oceano, magis proficiat in magnitudinem, quam in mar, mediterraneo. AGONE, AGONUS Salviani, utrinque ad branchiarum angulum macula nigra ent Harengus stur, licet figura Agoni a figura Palprieso zeno Starahimum, fecunilis batteliam, teruto Agonum appellari. Unde quili bet mecum fentiet, memoratos pifices pro fosciebus Harengorum genginis i vendam dos non elle; fed torjus pro differentus illorum exhibert. Hac loco notanilum, aund Maillet per Maferier defer, de l' Egypte Tom. II. p. 229. refert. En Decembre, en lane : & Feyrier, on prelie ier de tres bons listenings. Ce qui vous furprendra, c'eff. que ce possion ne le trouve, qu'oux environs du Cage; on p'en prend point à Rofette. A fort peu a Damiette, par or il devroit paffer pour monter vera cette premiere ville : on n'en voit pas même dans la mediterranée. Je laiffe à voa reflections le foin de chercher la cause d'une telte bizatrone de la nature. Conf. maillet description de L Egyote letter IX. 2. 25.
 - 6. Hareggus, dorfo & spiels vertice ex albo flavefeenibus; capite & ventre int comprellis, ut carena ventris al ferra acienti fecunità lit cuitellates, core amplios cettera vide apud Varbanum tita. Aloin Jol. Temporare la comprendation de la comprendation del comprendation del comprendation de la comprendation del comprendation del comprendation de la comprendation de la comprendation de la comprendation del comprendation del comprendation de la comprendation del comprenda

IIIL HARENGUS

p. 227. k) Clupea apice maxilla fuperioris bifido, maculis nigris utrinque, Art.

b) Bajon gim ab Harrago differre dirik 1) quod latian de tensior fir, 2) major ad caizandan longendozon exercícere 3) quod juras introduse manulum conden verfas labores siglam, longendosticopou montre cansaltà i ficia i madi Ecanismo Aprilahandra) di quod decadronossi di. . debenezale, debitrare al adili, madi Ecanismo Aprilapiono va linguagonela nogosi, corpere i sea, magnoque capate, campetila; venue chierto, quen secue Baselle, Brita-Pirife, Miffer (Edit, competila); venue conversiones: Signatura sibili estato del del del del del del conversiones: Signatura subb i curren dell'effect.

8. Harvengue, capite figure infolitz & exotice, roftro & ocalis amplis Harveng inagnitudine, verum brevior & lattor; filturam citiam adultiti harvengorum more; catervatim anguis agministiss naturs una cum Harvengis. Meer Bleiri Le. Blicze marina, potius Harengus minor, Indicess Wildugbh App. p. 2. Tab. t. n. 2.

6. XXXX.

MONOPTERUS pinna BREVI; μοτοπιτερίγχουρες i. c. caudz proxime

LUCIUS

Lucium non elle Lepung fepius mominus, & fapra §. XIV. Green meggiunte fur puicis. Latinopura falus Adjounce, sea meninta fedir Lucio, Gallis Brocher; such subject for meri unsquam ja laculus, fagnis & faluminitus fer un bische far meri unsquam ja laculus, fagnis & faluminitus fer un de facquentisme repertur. Etianis Anjoune ignobilem existimaveria:

—His cultion meniferum leches ad uffix

Fervet fumofis olido nidore popinis; samen Galli, Britanni Germani omnesses Septemtrionales inter nobiles eum recentent fluvatiles pilices. Artelus nomen Lucii mutavit; cui E/se addis, Servet nomen fluum antiquilimum LUCIUS, HECHT; &, quod

Tak

YY C

LUCIUS

nobis adeo gratus eft, Generis nomen fortiantur pifces perpauci, quibus pinna dorfalis eft brevis caude proxima.

- 1. Lusius; Rondel. Salviani, Bellonii, Schonev. & omnium autorum; Roftro eft quasi anterino; inferiore mandibula longiori & cochlearis modo cavata, dentibus in os recurvis, quibus fuperior caret; palato tamen duobus dentium ordinibus instructo. Squamis parvis ac tenuibus, ut ils carere videatur; dorfo furvo, ventre candido; maculis corporis variis aspersis; pinnis ad branchias imis; duabus ventre inferiore; prope caudam quinta post anum, cui opposita superior sexta; cauda pinna divisa; omnes susce slavicantes maculis nigras variegata. Non eft, ut quidam putant, gregalis, sed ex ovo solitarius prædator, stam gentem devorans. Falso okugurgos Nili, & zougaina altera Oppiani, the Pike or Pickerel, Willughb. p. 236. Tab. P. 53 Hecht; Belg. Snook; Polonis: Szuka vel Szuk. Juniores dicuntur Grafe-Hechte; Tab. XX. fig. 1. 2. Dantur varietates. In Scania ex lacu ampliffimo ad Nobile praducat Robelof, hand procul a Christiana Lucios vidi ultra 6 pedes longos; conf. Albin. Meign. Land . Chron. fol. 316. Panthera fluviatilis Alberei. Adde: Lucium candidum, Schwenkfeldii; qui in pilcina Trachebergenfis baronatus repertus. Vivacifiimus pifcis; conf. Cyprianum p. 2449. de Lucio Friderici H. Imperat.
- 2. Lucius, dorfo a rolfro ad cuede extremistaem in linea fore recla vulue regula duclos fiedinace over unternaverila curva licut describens, post branchias in ultimo vente lariffirmus, ab ano vertius caudam rurdius lente descretcas; stoto corpore inferiorea cutellatura lateribus fiedina deprefiles late dorfo; quodammoto cervi colores; caecum tonsa placa seguientes; octain magishi pupilab bus. 72th. XXX.f.; Xiego, t. e. Capra, Gradan Fileas mullibi quod fiam exhibitus ved delet pugia.
- 2. Lucius, corpore tenui, duarum & media fajithame longo, ocho vel novem politices lato; fiquamis ad ecvierum tronecruleis, titeitisa fialisi, in lateribus argentatis, latis, tenuitus, fiacileque decidius; eapite quogae heteraller perfois circa cerviciem in guittust reces; ore edentalo; infeciori mandibuli accivi longiore; fuperiore in falecum mediorimi curvata, curvitate denotimis perbartise; dorine cum canda in litera erecta feer equalitic colore; permistris; canda bilitares; A. falecumediora (Edd., 2004) del discusso sabista daratis.

LUCIUS

p. 21. Tab. VIII. Saracho Aldronandi congenerem putat autor; id vero, collatis amborum descriptionibus, affeverare non positum, nutdoque minus, ad Harengos referendas pities; quin potius Lucio ado magis congener sit, quam Saracho Aldrovandi. Tum in Danublos rum in Tibisco degit.

- 4. Lucius, fiquantia pavis a dorfo ultra lineam virefoentibus, lucentibus, in vente folum albus, unde pifesi virade diedere; pinnia quanque; duabus poltbranchidibus fibifuleis; poft anuin elospam; cui fimilia fiqueme opporti, finuodo; quarra poft anuin elospam; cui fimilia fiqueme opporti, finuodo; quarra caude foleata, his omnibus cineries; i riide aures, popilia riigo, ore amplo denato. Silatrus, le Sauteus, Skipack Cateries; i international denato.
- 5. Lorux, pennis branchishus lantimus longiffinnis, corpus count copanibus; roften seus, primer medicula longiors, ore dentulo in dorfo unica puna bezvi, mandicula longiors, ore dentulo in dorfo unica puna bezvi, mandicula lorus come dentulo in dorfo unica puna bezvi, practicula lorus come de la lorus come de l

6. XI.I

PISCIUM BRANCHIIS APERTIS

ULTIMUS.

PSEUDOMONOPTERUS. revers Pseudopterus.

Pfeudomonopteros dicimus piñess, qui pinnaram vel dorfuslium vel & reliquaram pinnarum loco radios tantum habent diferetos, ur pinnæ videantur quafi laceraze, five, quod membranæ, que in K g PSEUDOMONOPTERUS

aliis pilcibus inter aculeos vel ariffas flexiles intercedere folent, qua maximam partem fuerint fublatæ & rejectæ. Proprie itaque pinnæ dici nequeunt; cum tamen vel ipfis radiis pilces tales pieudopteri ad natationem atautur, dorlialis punna confideranda veniat, acfi integritati fit restituta, membranis integris, pilesque tune monoptervgius dicendus; cum autem revera pinnarum loco ariflas diforetas habet, utiturque anomalis infrumentis natatoriis, pleudomonopterygius dicitur; Pari ratione pfeudotripterygios appellavimus pifces, qui post secundam pinnam dorsualem habent vel penicillos vel triangulares qualescunque processus non intercedentibus radris; pfeudodipterygios, qui ante pinnam longam dorfalem, vel in ipio dorio, aculeis diferetis, vel proceffibus in vertice, infiructi. In hunc falciculum non intrabunt nili exoticarum regiomun pifces; fed optandum, ut cum fiducia plures quam unicum pifcem, vel unici pifcis varietates duos conferre licuiffet. Reliquorum vei descriptiones ubique manca, breves, incerta, admodum imperfecte nulliusque fere utus, vel icones multum rudes, haud raro ficta & manifesto monstrose vel certo certus a vera figura abludentes; quales pifces ad feliciora tempora remittimus recenfendos. Nostrum non alio, quam Pfeudopteri donabimus no-

- 1. Pfeudopterus; qui Perca Amboinenfis, Williaghb. a) App. p. t. Tab. 2. J. 3. Colore subobseuro aut susco, lineis subceruleis; sub ro-fico varias, unde & pinne, quas vocavit, contigue caruleicunt. Laterales feu postbranchiales subvirides sunt & maculose b).
- a) A Joanne Nicultof defer prus pifeir.
- by Addidit Refue: from reprofentat arcolas transverfas ob@uras, a medio dorfo per ventrem ad latera ductar, ut in Perca. Pinnam dorso medio innatam was refle pi-Ham fashicer, radii diferesis, nucles entercedentibus membrania conpexia, entercedas quidem membrana fed non nift ad ortum artifarum, unde ell quod pikem totum anflofum, PRELIDOPTER LIM vocavernous
- 2. Pseudopterus pracedenti fimilis, musei olim nostri; croccis coloribus; radiis variegatis tenuibus egregie explicatis; in fronte duos cirros habens fatis longos, caudam non forcipatam, fed radiis discretis partem eirculi describentem. Capite angulolo, rostro refimo. Tab. IV. f. 6.

6. XLIL

Abfolutis, modo quem elegimus, pifcium FAMILIIS, harum plura GENERA latiture, nemmem in dubitationem adducimus; quotquot interim colligere nobis licuit, totidem comportavimus. Nobis nondum cognita e tenebris in luce exponane alii; quibus, pro temporis ratione. felices in zvum optamus faccessus. Offendent & specie montrofac terrificosque pifces, non quidem fabulofos; Ejusmodi LARVAS appellaverimus; e. g. Diabolum mariaum, Zec-Duyyel Willingthen App. p. 5. Tab 9. n. 3. vel etiam: le Diable du des Marchars par Labat I. p. 83. quales pifees, formainfolitæ, pro re nata Generibus vel LEIOBATI vel DASIBATI (Millu III.) fabilitui poffunt, & quo referendi puees ad formam humanam quadantenus appropinquantes, apud autores; confer. Maillet five Majerter 1. cit. p. 119. Labat relat. de l'Eth. occ. I. p. 187. Bradlej, philof, works of nature Tab. V. fig. III. Siren Majoli coll. o. Herlemum anno 1403. delata i que ut fert relatio, se vestire passa, pane & lacte alita, & fila etiam e colu ducere edocta, reason, to ventre patta, pone es assecutar, es nos cama e conta autere escoca, iemper tamen muia extité! I plan neraio de pidam prodit. Ad manus quo-que voneunt piles corpore infolmsi de dandari: Alterum dismus Bar-réchum Xunun, Tab. IV. 1, 7, Alter eft Xinus Barrichus, precedent finilis Tab. IV. 1, 8, vide additiones. Habenna porto pilecidum, qui Crayracion Ovatus, lavis, firumofus, afterifcis vel ftellulis notabilis, Cray- Tab. racioni lino lavissimo jungendus vid. Tab. VI. f. * Grayracion alius ventro vi. s. lessit, capite ameriore in parte cinerco, fronte nigra, a mediis laterum ad caudam usque fuscus, exterum albicans & reticulatus, lavis; vid. Tab. VI. Tab. f. ** Crayracioni 24to (Missas III. p. 21.) addendus, una cum Crayra-VI.E.** cione gibbolo, five pilesculo Amboinenfi, trangular, gibbolo, offeo, & lateribus undique spinolo Rayschii Th. Anim. I. Tab. VI. f. 1. lit. D. Et

Jam rebus, quas in Miffubus L-V. nobis subjections, spho sequenti Colophonem imponemus. DEUM Ter-Optimum, maximum, benignisfinum, omnipotentem procati, ut omnia cedant in SUI NOMINIS

BRANCHIIS Pinnis

fune notabiles Miffi V

aperus dorfalibus

§ XLIII.

PISCIUM organa Auditus inter le diferunt. PULMONIBUS praditi organa habena quadrupedam organis fimilia. BRANCHIATI habent Organa illia analoga, omnesque lapides in capite. Miffu Is & Mantiffa Lebth. de SONO & AUDITU

PULMONIBUS spirances sunt PHYSETERES Bloser Melle II. Balana Basifish. Narwhal Einhoen. Ein Burn Zahn, Delphaces: Bleec Schweine, Orca Der Schwein.

Delphinus, Delphint. Phocena, Laumler.

Spiraculit in ther ace: Narcacion, Rrampf. High-Rhinobatus Engele-Ray-Leobatus Chat. Ray- Dulybatus, Brumbert-Schwaus Forma: Balanz forms. Milla II., Fale, I. Schrus, Wels.

Porms: 1932nz forms, myd 11. take 1. Saurus Apric.
Rofers: Fake II. Acquester Gére Larazus Athyloligher Naplace Edmords
erôgte: Mastecombolius Burff - Spice - Planfostomus - Jungets
Edmansf - Solenostomus, Nobje-Aphi Edmansf - Amphillen - Jamus Nifth

Oculis, Falc. III. Solca, Sohle, Zunge-Paller, Hünber-Rhombus, Botte-Rhombondes CEuropus, Botte-Baftate-Tetragonoperus, Führber-Aff-Platiglosius, Zungenbreicher

dematura. Falc. IV. Caraphradus, Rurafflerer - Coriftion, Sein-Fish-Contribus, Didenter. In fierno & in capite. Fasc. V. Oncotion: Rieb-Pfost - Echencis, Stopf-

3166.

Corpore vehibili. Falc. VI. Enchelyopus. Mal. Daftare.

TRIPTERUS: Enfc. FII. Callarias, Dannuchel.
PSEUDOTRIPTERUS. Enfc. VIII. Polamys; Thun. Mofrete.
DIPTERUS. Fofc. IX Trivita Lintz. Gebre Mullis. MulfeCeltrous, Micr. Mefine. Labras. Geo. Wolf. Sphyrama.

Preil Jifd - Gobio , Rod Jifd, Bapper - Affordus, Afredo, Jingel, Server - Trichidion, Date Jifd. PSEUDODIPTERUS, Fafe. X. Glaucus, Mailing - Blennus,

Gref. Rav.

MONOPTRUS. Phys. XI, Perca, Percis, Partis, Kaul Ports.

MonoPTRUS. Phys. XI, Perca, Percis, Partis, Kaul Ports.

Maxau Partis, Loplert Cicks, Devilt Munt. Se nagroMuce Partin. Lippurus Gedwindel, Dearde-Sargus,

Berita, Parobern, Derfilms—Myfus, Monopon-Mildi,

Barben Scholp. Lewickus, Schonal, Nettel, Noppe,

Odiffer, Harngous, Agentin, Laurus, Odic.

PSEUDOMONOPTERUS, Fafe. XII. Pleudopterus, Floffen

FINIS.

ADDI-

ADDITIONES MISSUS II. III. IV. EPISTOLA DN. P. COLLINSONIUM.

MISSU II.

SSO II. 1. none b) add. Majahus coll. 9. refert. Maclovium Britaniz Figurapam diquando ex mus em moneum, ur laerificares, cum wectorbus fe contailfe, fed im medie m moneum forman dellam terraffic muser, coss perfuit fed muser, moneum figurapam del facrettus friem— Albertus Magnus 1. 24, de Cete tellatur, le pretinet 5 colopendam rum cavez so bomines fingule caperunt. Hue pertinet 5 colopendam patem centiposem, il human monordent probust interlais cepti hanomus residence.

§ XIV. p. 1t. lin. d. add. Whale Bases, are concred with Hirle like Hotel Elan — Sance of them are too Julian Jong — on each Side there are commonly ago, in al. 500 precs. Feed. Hift, of conland p. 67. Fiden Imperat, quod tertile Di. Dedinate p. 180 on varience quelque foit bondre It. Releace & s'clauser from de la myel of the precs de hard; elle returnles entities awee in brime, propovagnade in the precision of the proposed precision of the precision of the

— Im.7. Balama vera Zorgdrageri add. Balama fiftula in medio capite, dorfo caudam verfus acuminato, Art.— Linn. Fauna Succ. Groenlands Walfifk

— p. 12. nota d) add. & No. 471. which live on a Kind of Loude brown-coloured, who moves for flow, that he may be taken by Hand. This Greatures only, and when rubbee whet the Fingers, produces Train. — In 21. Balenta albicans, add. The white Fifth without Fins on the Back. Ergicle 7.75.

p. 106. Balana nunor edentula, derio non propato.

p. 165 Bateau and Balena fattel en medio capite, tubere pinni forim in extrema dorfo, Art. I infile. Linu. F. Succ. Anderfonto. Balena in maior edentals corpore flicthore, dorfo pinna mucronata notabili p. 66. figuramy vide apud Egede p. 66.

XIV.

MISSU II

6. XIV. p. 13. lin. 19. Jubattes; add. Supiter, Balana major corpore firictione edentula, dorfo pinnato. Anderf. p. 107.

— Jin. 33, add. Fr. Pyard. Voy. J. Spring. p.c.p. Dane la Baye de Brell et la plus ciche peche de balens — Un just et la vector de cove grands Baleness, qui voyant (an petit pris, vint de telle fairee, v. met. sp. cichess & Getter barque, qu'elle les renverig 1000, de lavore, la n. 1. 100 petit, & les hommescaurent bien de la peire, à l'éclavore, le reuffe junisiere, que que certainnigle et que che on naturel, cette dadreifé de dexertieré.

S. XV. p. 14. Im. 11. à fine; Walfith add, A Polonis Cetus vocatur Wielorgh. Catodon filtula in ecryice. Arr. Lin. F. S. South wird Cetus en Bhallfish malnisen Balana em Bhallfish meiblishen Beishlechts genennet. A. P. diff. verb.

— lin. 2. d fine: Cachelot. add. Egede p. 74.
— p. 15. lin.12. add. Ex hoc pilce inprimis Sperma Ceti, Egede p.
74. von der Ambre gris Blafe vid. Ander for p. 208.

- lin. 18. add. Anderson p. 220, 221.

S. XVI. b. (6, not. a) in fine add. De Balenis multi multa, sed &

S. XVI. p. 16. not. a) in fine add. De Balanis multi multa, fed & multa falfa, oft in mendacus cudendis nemo fuperior Fiebræis. Scheuchz. Phyl. Six p. 19.

A XVII p. 17, Im. 7. oblevent; add, monuit Repte lib. a. WVII. e. p. V. p. 96. Segand full mature noth; qui questionis Germlandiam Balanta plicatum admerigant, ut diligentias & curiolius hec oblevent, notope los Germyalo liberent; & Lebar Voy du des Machais I. p. od. 51. sevos. sc. Donie de donner des confeils à la companne & varies S. s. popuma, qui amment des Valfientes, c. a verat d'edunant at leas Alfriciers de conferier vue lours ces forts de choix rives, qi paarrount fereira de conferier vue lours ces forts de choix rives, qi paarrount fereira de cultimat un choix et als habbatates que du kay, ci in de l'Accaeme des liences —. Anno 1742 mives 125 balzons 5: 9 montate; la Gazetta d'Utrekte IXXXIV. 10. Ol.

— p 18. not c) lin. 20 A. exander, add Mexandrum M. talenta 855 (uppeditaffe perhibetur 1. e. 455000 Crowns Phil. Trans. No. 325 b. 31 conf Oldenb predix. Volum II 3r, while num 2.3. p. 412

er Berkheimine geinem, und nach Zwaise 154,41 em 28alfinde in feine ber Berkheimine geinem, und nach Zwaise gebend, nichter 26 Geit lang enwern Dangt, se derrich Ehronick. Anno 123,1 istilt a her Zeie un soffen Als Grainem, und bis ab Zwaise a derecht, vern 25, Geit eine 25, Edui uns, shier. Anno 135,25 d. 15 d. 18 d. ver der Binde ein steise A. de Geit uns, shier. Anno 135,25 d. 15 d. 18 d. ver der Binde ein steise A. de Johnstoff. Er war 17 15 Geit eber deren un der Zudis derechtig un der und gelieber, voor versprang, steis. Anno 13 to im Och- dit große Will gesteune. Dan 25 Coffe. MISSLE II

6 VIX b 18 lm, 32 Dente, Suber unseum add. Reformbes ift eine Herer, ma aus bem Schwediften, (feel, Dr. Roberg) fo ben ber bem Winterficen an. 1684 ausgegebenen Zeichnung gefüger gewefen: Dan berichtet, Dar Die Einforner, welche die Groenlandefahrer vom Ballfijdbfang mit fich nad Saufe bringen, von einem Bijde find, Der Die Lange Des Dorne Dreimahl har; alle bat wenn bes Gorn & Ruft lana, ber Chiper id Buf hatte. Das Spect von Diefem Rifch foll feiner als berer 2Ballfichen fenn Seine pro Rioffen an Der Beuft, wenn Die Saut abgelogen, gleichen ber Dand berer fogenannten Ceeffrauen ober Spreuen, welche in Der Runftenmmer in Copenhagen geseiger wird. Die Starce Diefes Theres ift im Dorn, womit Dafe feloe, wie man faget, entweder in die queere ober aufmerte im Baffer ober and mederments fabret, und alfo alles, momit es fivertet, Durchburgt. Ao. 1684 hat ein Orgeniandefahrer, Commandeur bes Schiffes, Der ablorne Lorn gengunt, Dieterich Deterfon, folgenden Rich mit itvepen Bornern, ober porbern Adhnen, wie man fie nennen will, aufgefangen an S. William Körci Mit-Dibeber mit anderen nach Samburg gebracht. Die Spigen Diefer Sorner fieben am Ende 13 Boll , bemn Ropf aber nicht mehr ale 2 Boll von einander. Das linde Dorn ift 7 Buß 5 Boll lang, und ber Umfang benm Ropf machet o Soll que : Das rechte Doin hait accurat 7 Ruf in Der Lange, und 8 Boll am Kopf in Der Diete ; welcher Ropf 2 Rug lang und at Rug breit ift, Die Somer figen alle benbe : Buf und : Bull rief im Ropf; es betraat alfo bie Lange Des Imeten Dorns nut bem Ropf 9 Buß 5 Boll, Das rechte aber mit Tab. Dem Ropf bein jufammen o Ruft, (vid. Tab. III.)

. Et. 12 , sopt you oben für

b Smart den Ropf von unten

d. in . 3 to minister v left, me 21k Stefamma amoustic for in Section 3 as inclusion. Conv. or 1 st. p., undo 5 f. Parmitic for the conversation of the conversation o

6. XXII

MISSII II XXIII. p. 21. lin 4. Caput Cyprini add. de Vries Immerd, XI cap, 21. II. Dem. Groenlande p. 39: Das Saupt mufte man mit Beifen in Schlofen hauen, meldes bennahe einem Rarpen Ropf gleich ichiene - Das Maul fand ungefehr emen Daumen breit unterm Gorn

XXVII. p. 23. not. a) add. Mugmnt balana vel clemant tam magno & contento fono, ut qui binis gallicis milliaribus abfunt, audire

possint; Raj. ad Will. p. 38. conf. Wortenus fol. 172.

6, XXVIII. p. 27, lin. 19. p. 204. add. Delphinus rottro furfum repando dentibus ferratis. Arredi. Lopare, Linn. F. Sv. forte confunditur Orca dentibus latis ferratis cum Lamia, cane carcharia finnlibusque; vide ejus dentes Tab. I. Anderfonto p. 225 audit, Butzkopf, Balana minor attraque maxilla dentata, pinnam in dorfo gerens.

3. XXX. p. 24. lin. g. DELPHINUS add. Grampus Anglis. Anderfonio p. 227: Balana minor utraque maxilla dentata, dorfo pinnato,

Delphinus vulgo dicta.

6. XXXIII. p. 26. lin. 4. Porpesse add. Nife Egede & aliis. Swinia morska polon. Taumter. Delphinus corpore subconsformi, dorso lato, rostro subacuto Art. Marswin Tumblare Linn. F. Sv. Partes internas phocana

vid. in epiftola Raji ad Lifterum philos lettres pag. 45.

6. XXXVII. p. 20. lin. 16. nos omnino latet; add. Horum tamen mentionem facit Scheuchz. Phys. S. p. 12. ibi: ipfarum quoque balanarum dentes - vid. Acta list. Succ. 1720. p. 9. de magno Ceti ficheto, quod in w-Gothia 12 mill. ab oceano & 2 ab urbe Skara repertu ... hodieque in Notocomio Upfalenti fervatur. Forte, fi integrum est feeleton, capite non truncato vel deperdito, & dentes aderunt; nifi edentulus fuerit Cetus.

- lin. 17. Elephantorum fossiles, add. Il ya a la Caroline un endroit nommé Stone, ou l'on tira de dessous terre trois ou quatre dents - que les Negres, qui sont naturels d'afrique, jugerent tous être les

dents machelieres d'un Elephant - Catesby.

p. 30. lin. 2. recuperaverint, add. Scheuchz. Ph. S. p. 51 putat, quod & pifces in aquis diluvii perierint, fervatis tamen corum generibus & speciebus; quod facile concedimus, firmum modo stet, nec genera nec species interiisfe.

- lin. 4. occumbant. add. vel in vorticibus percant e. g. in vortice ad Norvagiam in oceano Deucaledonio; vid. Kithn de orig. font.

p. 31. 201. a) add. Il n'a que quatre dents à la machoire superieure & autant a l'inferieure pour macher ou mordre tout ce qu'il reçoit

de fa trompe. Labat rel. de l'Afrique occ. III. p. 272.

6. XXXIX.

6. XXXIX. p. 31. In 2. a fine. Elephantorum dentibus finet, add. conf. Voy. du Franc. Bermer (11 12 an. 1609) 1 p 192, ubi de duobas dentifius a legatis Re. A thioniz Mozolo oblatis. Deux dents d'Eleplants I, producents, quals afterrount, que e étou que pouvoit faire un homine biest fait, que den enles er une de torre

ADDITIONES.

\$ X1 p. 32 lin. 16. pondus fuperavit add. vid. Phil. Trans. No. 478 p 331 leg de ce de a clara, cujus fupera peripheria q'. 11", longitudo 8", latitudo maxima 7", craffities 9"t, pondus 11 libr; conf. No. 403 0: 404

6. XLUI, p. 32. MANATUS add. Hifpanis, i. c. manibus gaudens; conf. Anderson p. 192. Aldrovando paraliponi. p. 104, est Phoca differentia vitulus marinus; du Tertre II. p. 199: Il a fous le ventre de petites pares en forme de mains, ayant chacune quatre doigts fort courts & onglez. Nac. Serpetro mercato della maraviglio della natura p. 338; he due piedi groffi e rotondi di 4 unghie, in vece di branchie, como a le poste al capo con li quali nuota. Pareggia nella male uno Elefante; la facia o piu depreffa di quella del Butt ed fimento piu carno io- Hicron. Benzon nova novi orbis hilli Lib. II c 14 & do c, me en O ter neitaltet, 25' fant, 12' dief; Edwang und Repf mie ein Dos, fie ne Haan, la judite eeudie Salt, per, Varben Lamitelan, moene Suffe, ben Cler p. dat " n. ht ma ech De petibtes Lieptamer vid. Dangeg. Verfuche nom !Tanl orn

6 XI XI p. 56 am ra. howing one add vid D. Stubber ad. l. - t ," not. J, add var camen du tertre II, p 200.

3. XI VIII - on the a face, a m cowe mut, add spud Anton. Donati to to the temple. As to their capa o neph may vel lapides I thus roms os potus terrene. Al man quam liquidem l'abercons reperfentat

- sp. 38 for a crobe was a M. Inches on Confinent bebr. 1746 ad me har geette i an manderen Conferent, bat ber Etem, mornber Sie unt Dr. von Hencher corresponditer; micht elnerlen fer mit moren biede Relinge Sch will es nicht beff od te bell nater gas bein Itburone ien, und die Substantin bezoardion ifteunt mich anghieren, dag et in der Berfe obtr Magen generatet fen. Die Der Der Errten Den i den Alich, to Die Ruffen Boluga nennen, auch mit ebeit bent Dabuten baben, at mit unbefannt & Go viderenfe ich gewis, Biff ber Jud, ben Die Raffi nen dem Wolgn-Orean Belaga, an Dem Schiles, Argun, and Admy Kalaichke nennen dueten fen fint dem Hall i. Call Dangegen mire ber Carefreres coe. I has ben en Su fen & ka (out is) genannt. Incorn ti bilanand of delements (and the 3) wie tely on boy welen couche a, the tely to option gen Die Kann fo nint ben ihrigen ungefehr ben - Seibffen oner micht Belegenbeit gehabt, ben Sedem propriam biefe Steine ju feben, ein genalich

MISSU IL

glaubhafter Ruffe aber hat mich vor gewie verfichert, daß jeder Beluga Amer in feinem Bopf habe, nur fem fie ber jungen Belugen gientich weich. Der fes hat mich auf die Gedaufen gebracht, es kouten roobl die 2 großten von ihren Officults auditus pilcium fent. ABell ich aber melner Saden gerne, fo mel mpanch, actue fron mag, to babe einen über Afracan mit der Gefands fchaft nad Pennen abgereiferen Moutetten De D. Lereine febr gebeten, Die Carbo puedo Ocul y i i pect, on an benaraca over an modericaem Dan in Den Sibren, wie der Rahme der Gren, von Fleuchers Orator (ift cortampert aus Orete, Sibr) angujengen ichemet, so große Tenne follen gefanden wers ben, ift most massissa agence; is a rejection point germon norse ben, ift most massissa — ... Carea finem atteration vir doctofilmus addit: "Lopides Hutoms forme illum fatis bene referent, cuius imaginem Musiu II. tab. IV. f. 7 dedith, maximi dimidium pugnum, mingment angun it ass. IV-12, declar, insusm dirinouth bignous, minim nuterin molehman whumne expant. (Only 3) high properties, month of the molehold of the mol



§ VIII. pag. 7. Im. 2. Requies aid. Du Tertre Tom. II. p. 202. & eundem p. 224. de pute qui dientur pilore, requient egregie vexante.

In. 6. noutainen omnibus add, vid. Olear, but. 3.6 nummer.



MISSU III.

t 24. f. g. Lindfebot parte 4. cap. 4. Mandelilo cap. 13. du Tertre pag.

§ VIII. p. 7. Int. 12. add. On trouve dans is the deux ou trois cuelleres de cervelle blanche, comme neige, qui etant fechée, mile en pondre, & prile dans du vin blanc, eff excellent pour la gravelle, du Tertre p. 204. Sie autor lapides, de quibus millu II., pro cerebro excent de la qualitario habit.

— in. 22. add. conf. Pbi. Trans. No. 393. p. 12.4 [cq. 476].

Lib. 6. c. 6. d. o. diland. 1. c. 1. El Ritterdue comm. in lb., 1 Halout. No. p. 7. C. ALEND add. Galtar. non eft nomen propriam, input unt Maffarius & Charletaus man. and. p. 89. ; fed graus ad onuce carrilagnoso longos fepchans, utr. vulpculam, caniculam, Hinnulum, Scalarcm, Spinneem d'erlenque general sisadem.

— p. g. lin. 2. a fine: picked dog add. The prickly Houndfifth, nonnullis Hogyfifth. Succis: Hal. Linn. F. Sv. — p. g. lin. 25. add. The Intooth-skinned Dog-fifth; Cornul. a

her.

— p. to. lin.ult. Sca fox or upe add. the Sca fox Hound; alii Sinaiam mariam the Sea-ape diverlinin volunt cde Galeum a vulpecula marina; huc trahum; galei genus Cluffi, Williaghb. t. B. g. f. G. Sed Cluffi figura nobis valde (tiffecta.
— p. 11 not. f.) add.

Vivum animal vulpis parit, in femetque receptat, Præque metu magno protegit ore luos.

Mirus amor, spectes si quantum parvus corum

(XII pag. if In. 2s. Anglis. add. the Ponk, Toad, Devil. 4(fb., Fifting-Frog., Charlet.

— Im. 29. Sub mejores pinnas duo quali frachiola in forgum p fits per cavittenen qua fertura di branchia; articulata 8 muic. Lia adornata; 5 Gerra. Zootom. parte IV. p. 248. Anustomen vide apad Charleten. mina. ma. De olficula auditoria nervisque caudem p. 92a. Si foliculi felis particula vel ciceria nagamindine affiumpta, horrenda Si foliculi felis particula vel ciceria nagamindine affiumpta, horrenda A como vino propintatus.

— p. př. půl mun p. ndd.

10. Bistrachus fulčus, ore amplo, duobus mplacibus ad nares poulis iminimés corpore complianto, in medio durio
non nditi elevaci ploco pinaramu branchállium ad foramina curinque
os pro brachio habet accustum, comperfium, in utroque nece fiprins incuris faratum; junicephinut infançuater modribule inculs fincipit puulo

IV t

MISSIT III

fupra hane ad latera alsa pinno utrinque; cauda prælonga angulofa in teretem cum tenubus filamentis excunte.

11. Batrachus przecdenti fimilis, fed major, ex fufco & elbo variegatus, myfacchus crafitoribus, oculis pro volumine corporis magis, caudaque m exitu diffincte filamentofa. Amborum figuras vide Miffu V. 6, M.I.H. tab. IV. f. 7, 8.

\$\text{NV.P.}\tilde{\text{P}}\tilde{\text{RiV.P.}\tilde{\text{P}}\tilde{\text{RiV.P.}\tilde{\text{P}}\tilde{\text{RiV.P.}\tild

p. zo. lin. tt. a fine add. Cochon de mer; Coffre; bource, du Tertre II. p. 211. tres particulier dans la forme: car vous dirier, que ce font trois cartons pointus, appliques les unes contre les autres eu forme de triangle; le haut de ce triangle n'abouit pas tout à coup jusques à la gueule. Ouand il et pirs il gronde comme un cochon.

— p. 21. polf man, 24. add. 24. b. Crayracion gibbofus; pifciculus amboinenfis triangularis, gibbofus, offeus & lateribus undique spinosus, Ruyseb Th. I. anim. Tab. VI. fig. 1, lit. D.

— p. 22. poft sum. 28. add. 28. b. Crayracion quadrangular, s; poilton de Coffre. Il est à peu prés quarré, plat de tous côtes, de dur comme du bois ; jaune, semé de pentes aches noires; ayant aux deux côtes de la tête une petite nageoire, de une troiteme sur le corps proche de la quette. La Brayur Voy. edit. Amflel. in fol. p. 344. t. 204.

— p. 25 lin. 5. Molis, addi vel quod informem inofain reprefentet, vel quod roundritae corporis, dentre pinisi moles moledinaries fimilis, lecundum Rondel. Orthragoriicus, force ob fimilitudinem quandam perei; nam Lecedemonii fichanem porculum edgevagenen nucupabans, quod mane profuent in foro venales; & hie picies, cum cupiture, pocoroum nore grunnie foice. Cherler, de dif. picie, p. o. vid. na. Pinine Lib. 25, c. a. de orthspurifico; Lacedemonicum, conf. de de hilutora insurunti merinfiliums. Januar Planeae ammorratis. Para

Department of the state of the

MISSU III.

Superior tota contecta munitaque cortice toti corpori communi. Inferior ventrem refert veluti faccum, fed hic uterus confifiti; ibi ventreculus cum hepate, intefino, yeficula, renibus, corde. Anus inito facci fe offert non facile confpicuus; viviparus eff, fi qua pragantem infexenit.

6. XVI. p. 25. poft num. 7. add. 7. b. Caprifcus, e regione pinnarum lateralium in dorio œuleo, o altera acte ferrata. Pifciculus Ambosnenfis corratus, Ruyfebi Th. anim. I. Tab. VII. f. t. lit E. Sinus anguitus, in quo cornu fele infinuae, ilt. F.

 XVIII. p. 27. lin. 2. add. La Murene est une espece de Serpent marin, qui a la forme d'une anguille, mais moins ronde; du Tertre II. p. 220.

— iia, p. odd. Serpens marinus, Bolteri, Arflottili Sakovene; Hydrus, Elimani fishulam fers, quot anne iin municus, ut trucmes apprehonfas everat. Simileni noba propinai Osimolini, ut trucmes apprehonfas everat. Simileni noba propinai Osimolini oli
onda propina erigentes, ut navis per unan traafire postiti s accumus s'accumus s'a

— 3.27. In s. 2. of pre mandibule fuperioris. add. Maillet par Malorier designation of legspre II. 185: Ce qu'il y a de furprenant, c'ch, que dans cette demante de portions, il no le trouve gueres que legandife, qui official que que prese que l'enquelle que que considerant qu'en prend dans not revieres d'Europe. Il ett vou copondateux qu'en prend dans not privere de l'entre proposition de l'arrive de l'entre qu'en pende et de tres bons Haragin probembre, qu'aprèc de l'errore on peche et de tres bons Haragin probembre qu'en de l'entre de l'entre

eque ma en im 3, o fine p, 343; adit. Artifot. L. IV, cap. XI: Anguilla coque ma en construir de la composition del composition de la composition de la composition del composition de la compos

MISSU III.

nquid tumidi ex anguilla, ex qua dum quarerem, andnam effet. illa nummebat, effe uterum, quo aperto varia in diveris membranis invo-"lutæ herebant anguellæ, ex quibus cognovi illa effe annumeranda : iimalibus viviparis &c., Nos vel Stomachum vel partem interfutori, it fuiffe illud ramidi quid, in quorum membranis haferunt five vermiculi in: ila tormes, quales ad offa petrola phocene obfervavimus, vid. Miff. It five revera proles anguillarum ex ovis politis excluía & devorata; quod non mireris, cum & Lucii pullos fuos devorent. Sed vide Valismevium opere diverse Tom. I. p. 232 seq. & ibid. p. 244. ubi contra Elsnerum feribit : neffere cola vergognofa ad un filosofo lo stabilire un "fenomino di tanto peto fopra l'afferzione d'una donna, la quale annue-"bat : effe uterum., Paulinus de anguilla p. 57 : Nos, ut omnia anilicet Plinius, Ariflot. Jo. Voffius (lib. 4. Idol. c. 1. p. 1281) Schotens phyl, cur. lib. 10. c. 5. p. 267. cum pluribus aliis, ova femenque denegent, clamantes, nunquam sliquam captam effe, que aut femen gentrale Rabuerit aut ova .- & n. 60: nec ex putredine aut limo, aut cadaveribus, nec ex ferpentum complexu, nec ex arena viscolà, nec cespitibus vore madidis, fed ex fui generis femine mediante coitu omnes nafountur auguille; conf. Frantzius histanim. facra III. e. 1. p. 600; & de la Marre truité de la police Tom. III. lib. V. E contin Leuwenbocck (Trans. phil. No. 377. p. 343.) anguillas (prout etiam Sautlas, pifces conchatos NB. & varias mufcas) omnes femellas effe inflinet, que fruchis edunt has in parte convenientes cum fructibus arboreis, quorum in feminibus plantulæ delitefeunt; Sic hermaphroditas dixeris anguillas; conf. Halt. de l'academ. des Sciences 1737. p. 51. d'une Carpe hermaphrodite. Nefcio, quare pafees conchatos, id est: conchylia marina & fluviatilia Leuwenhoeckius hermaphrodyta effe fuftinuerit, quod in cochleis terrestribus omnino negaret, harum forminis ovarium est, masculis penis, queque congrediuntur, & in congrellu prout canes coherent. - ad fin. p. 17. add.

7. Copper figuraits rhomboidels, ex rufa cinereis, flutarate fufeis és l'attrants, decurrentibus, diffinités y entre albicantes capité de pinnis lateralbus, prous in anguille; lingua bifida. Caudam vertius fupra és infra energius i pinne tembuss lignais faffulte; confuentes demuni nituificalant formant caudam, murerae sanulam. Murrana leu conger africanus, 5the IL p. pr. t. 69, No. 2.

Sebe II. 5, 77: Co. No. 2.

Songer, primis lateralibus eminentibus, flavefcentibus, nigris lineolis maculatis; excluteo cinercis, viridibus & faturate rubris maculis partim rotundis partim flammeis in corpore fibi invicem permiflis utrinque a canite acremulfinamisque & acuminate caude apicem bini decurrunt,

MISSUI III.

albreantes gracilesque, lemnifei (Bánbre); venter dilute flavefeit, urgrisque defuper linealis passima decurrentibus, punchs quas interrextis dente variegatus. Muezua maxima, orientalis, lingularis; Sebe ib. nun, 3.

 Conger, rothro corneo, acuto; pinnis lateralibus colore corallinis; itaperno corpore dilute flavo, maculis circularibus ex rubro luteis, tigridis ad inflar; senter ex cinerco dilute flaver. Anguigenas; anguila marina tigrina. Scha II. v Act. 140; F.

marina tigrina, Sche II. p. 40. t. 40. f. q. 10. Conger, quinus funculis thalaffini coloris per dorfum rafum protentis; iquamis ventralibus infignibus rufis; pinnuhs corallinis. Scha ibid. f. 4

§ XX. p. 28. lin. 8. MUR/ENA add. In tanto honore a romanis fuerunt habite, ut iis magno funtu vivoria adificazint, magno impleurint, & tandem magno aluerint, Charleton—b. 20. poft num. s. add.

 Murena, ex ruto flavele, m. realis laterare r. bra fisperne; inferne autoris eldores in elds travala, bits german tene dispolitis y entre classe les exerce, p. et de autori de calon exte decurre pina, qualis in 102-mas caprelendarus cupite terpentino. Serpois marinis, feu occe menulonis, africanus; Selec II. p. 71. 6. 6g. n. d.

7. Morana finuma finuma fina 1, p. 71. t. 6g. n. a. 7. Morana finuma finuma finuma finita dilam viridiana dice calaborata, su characteres anabicos punchis nigris coniperios 6 in fe mutuo, finumatum ad inflatoconfunuma finuma finum

§. XXI. p. 29. lin. 11. derivatur. add. vel·a fulgore; quafi lampas petra nomen derivat Charleton exerc. de pife. p. 34.

6. XXII. p. 30. lin. g. Neunaugen add. Polonis: Minag, Wegor-

ad num. 2. add. Hone Rajus apuet Will. in app. p. 18. pro Platis pride fluvii lildis, pro Schwenkfeldii Lampetra media, & pro lilio qui magno numero io Merleiæ fluvio, Lancestriam a Cestria dirimente, capitur, lubet.

qui can pro langera minima a Gessieri agociett, quamvis in determitione Gessieri nulla fat eccitati menuo. Finna dortali tranda uncari, labio oris fuperiore pone lobato, Succ. I alaba, Lum., 18.

XXIV p. 31, ad num. 1. add. venetus, ne in fore pileatorio vendatur, cautum eft.

. 6. XXIV.

MISSU III.

6. XXIV. pag. 31. ad not. a) add. Monficur de Reaumur a developpé le mystère du reffort caché, qui produit cet effet surprenant (mirabilem hanc iduatymentian) dans la Torpille; mem. de l'acad, des Scienc. 1714. - ad not. b) maculis faltem; add. vid. Grevinus de venenis Lib. I. cap, XXXIII. XXXIV.

6 XXV. p 32. lin. 16. cum Parda, add. vid. Mrff. IV. 6. V. not. d): de I ucio - Perca & Tragelapho animali quadrupede, que dicuntur animalia nuxta. Melius Jo. Cajus rarior, de Hippelapho, p. 65, quod fit

fui quidem generis, fed mixte forme.

6. XXVI. p. 33. ad num. 1. add. Du Tertre altera species singularis Rajæ Tom. H. p. 217: Ha su haut de sa queue deux dardillons en forme d'ameçon, dont les piqueures sont mortelles; an, Leiobatus 3?

- ad num 3. add. Partingco resyas-Caudam habet longisfimam & laviffimam; e medio cauda aculeus procedit acutus utringue ferratus; Grevin. de venen. Lib. 1. c. XXXI; parvos habens oculos, & ob vilus aciem of odeguis dicta. An Raja an paftinaca fit? cuius du Terere memmie II. p. 217: Rajz prima species lingularis: qui sit princ a S. Christophe en 1634 — Sa grandeur croit de 12 pieds depuis la tête jusques à la quette, & dix d'un aileron jusques à l'autre; & Argenfola de Inff. Molucc. lib. 7. Rajæ mentionem facit ad Infulam Cerné capte, que tante magnitudinis fuit, ut omnibus quinque navium fodalibus pro duobus prandiis fuffecerit.

fich. Charles. ad num. 4. add. The poylon fifh, the Fire Flaco or Cat-

- p. 34. ad num. 7. add. The Honselyn, &, obscoeno nomine. white-cunt and Flare. Mucofa & Bayofa, romants,

- ad mim. 10. add. 'The Sting-Ray. 6. XXVII. p. 35. ad num. 1. add.

Peftilis illa quidem lethalia vuinera figit. Piscantes fi quando viros fuz acumina cauda Percutit, aut læfæ cum ramis arboris hæret. Nicander.

sherine

- p. 36. ad num. 6. add. Raja Salviani f. 149. Raja proprie dicta Bellon, the Thomback Sloane It. Jam. II. p. 277. Suec. Racka, Linn. F. Sv. 6. XXXII. ad lin. 12. p. 42. add. De ovario ovisque Rajz conferstur Charlet. Exerc. p. 10. vide Ruy/chri Th. I. Tab. III. ibi: 6g. II. fortum Rajat extra tellam parte supina visum & foetum Rajat prone parte. fed in tella fua maxima parte adhuc contentum f. III. cum ovo rajz focundato e testa delumpto f. VI. evoque in testa f. IV.

MISSIT IV.

6. I. b. 2. nota c) lin. 12. a fine, Sorices aquatici &c. add. Ouis dikerit ARDEAM amphibium cum Sennerto in Epift, fcient, nat, lib. 7, c. 10. p. 628, quod vescatur pricibus & conchylris? Sic Jonston. & Schottus CYGNUM in numerum amphibiorum retulerunt. Grammondus hift, gall, ad a. c. 1617 p. 178: OLOR amphibium animal off &c.

V. D. 2. ad finem note a) add. M. Deslandes traité fur la nêche des Saumons p. 177: Les Saumons font couvert de petites ceailles Il eftyrai que quelques autres polífons en manquent tout à fait; mais on erourera, que leur peau, fi on la confidere bien au microscope, n'est elle même qu'un tiffu d'ecailles tres minces, qui cehappene aux yeik.

6. VII p. 11 ad nota a) all. Stano hodie agracis go ins vocatue, tangom, per aphavent, pro Oxyryncho; & Oxyrinchus Calpius Sturio

- p 13 lin 6 midhunfe lect.onem. add. vid. tamen Javium c. 4. p 19 chea finem Delphini per fuant exspirant & refrigerantur title mi, ea satem pro ore utuntur Sturiones, quum - per naves & parvas branchias acrem pro vitalibus refrige a.d.s attrahant; & p. 21: præter fistulam oris branchias manifeste habent, quanquam parvas & angustas; si illas tante moles pitei comparemus.

- hn. 13. a fine ; Sterletus add. Sigismundus, liber Baro, inter catera magni Principis Molcovitarum dona, multa quoque pitenun frusta infaltà, acre durata: Beluge, Ofetri & Sterled, accepisse

fe scribit. Gesn. 1. 4. p. 94.

- p 14. num, 7. udd. Anatomen parvi Husonis ex Pado & acipenferis, qui lequitur 8vi, vid. in opere Danubiali Comitts Marfills Tom. VI. Tabulis XVIII-XXIII. ille magna ex parte ad Hutones Danubiales five acipenferem 6 & 7 referendus

1X. p. 17. in fine add. Thynnis Xiphias intentifficans dicitur; vid. Deslandes recueil de diff. trait. de phyl. p. 166. & Fpiftolius ad

Dn. Petr. Collinfanum post additiones.

- 0, 20, Int. 6, branchialibus carens, add, in fumma non nife tres punas habens; Artedius P. II. 6. 10. no. 5. p. 4. indiffincte Xiphias quinque pinnas nec pauciores nec plures adjudicavis. p. 21 id lin. o. a fine add. vid. Miff. V. S. XI. ibique Truttani

edent | n tertiart

6. J.

X. p. 22, nr. 6. S. viani fol. 68. adde: Acus Can p. 110. - An Leguille de mer, capus meminit du Terere Tom. II. p. 213? (in cujus Biblionicca de iderantur rariffima Joanus Caji opufcula Londini annis 1570 & 1574 per Serefium & Dajum excufà, facile fibi comparabit fludio S Jebb. M. D. denuo recufa Londini apud Car. Davis anno 1729.) MISSU IV.

6. XVII. p. 35. lin. 14. Theerbott, add. Heilbut Danis, Hellefilk Norv. in mari german, ad. 130, juxta Islandiam ad 400 libras excreicens. conf. Anderson. p. 93. 94-

- post num. 4, add. 5. Rhombus, pafferis facie; oculis a finistra, in supina parte albus; qua formam pafferi 4 fimilis : capite magis contracto : maculis flavis vel aurantius in trunco, pinnis caudaque, que macule ficcata cute evanefount, Gedan, Wlunder Botte.

6. XIX, p. 37. post num, 14. add. 15. Rhombotides liness few transverlis longitudinalem lineam, arcustam dividentibus. Paffer lineis transversis notatus; Sloane Itin. Jamaie. II.

p. 277. t. 240 f. 2. Raji Syn. p. 157. A Soles of Brafile of an Anonymus Portugal ap. Purchas; Lib. 7. c. 1.

6. XX. p. 38. ad lin. ult. add. Aiiis, ut du Tertre, Labato &c. ejusmodi pifces vocantur Lung & Curange. La Carangue est un possion blanc, plat, & qui a pouctant deux yeux aux deux côtes de la tête -Nous avons de daux ou trois fortes des Lunes, dont les unes font ainfi appoliées, a caufe de la rondeur de leurs corps, ou des petites écuilles. qui font autant de petites Lunes Jaunes, fur une couleur bleue; d'autres, à caule de leur queile, qui se termine de croiffent. Ce poiffon est presque roud, & n'a gueres plus d'un pied de large, & au plus deux ou trois pouces d'épais

6. XXIII. pag. 42. lin. 7. a fine, Cottus add. Cottus Salviano Citus. Solus Arifforeles, ut Gaza legit Cotti (gorras) meminit; alii legunt Rorroc; fed qui pifcis fit, haud facile intelligitur; ubi Ariflot. Lib. IV. c. 9. pilces audire declarat, inquit: "addo etiam pilciculos fluvintiles, "Citos, nomine (cottos ut vertit Gaza) qui sub faxis flabulantur, can-"untur enim a nonaullis faxo percuffo, fub quo fatent, protinus cuim , inde exturbantur, ut qui audiant -, Artedus inter nomina praci-Bue a se recepta & Cottum habet (p.72); nomen derivatur a 27/8, quod caput Hefychio fignificat, quia caput respectu corporis magnum est; cum jam inter nomina vere latina numeraffet Gobium, Sic Balena, quod caput respectu corporis magnum habet, & plurimi Afella forent Cotti.

12. Caraphractus americanus nova Anglia. Cujus amplam deferiptionem vid. apud Catesbeium in appendice.

6. XXIV. p. 45. ad lin. ule. add. Suecis: Knorrhane, Scanis: Knodang; Linn. F. S.

6 XXIV.

MISSI7 IV

6. XXIV. p. 46. lin 4. a fine. uterque fol. 71. add. pinna interrupta dorsali, a vertice ad caudam usque spinosa, ventrali ab ano pinnis branchishbus proximo pariter longa.

- lin. ult. Artedi; add. Farfing Succ. Flaffing, Linn. F. Sv. - p. 47. ad num. 11. add. Cottus alepidotus, capite polyacantho, maxilla fuperiore paulo longiore, Art. Röt-Simpa, Skrabba, Skial ryta,

- post num. 13. add. 14 Coryfton officulo pinnæ dorfalis primo longiffimo; Cottus, officulo pinne dorfalis primo longitudine corporas Jo. Fr. Gronovii in act. Soc. R. Upial. 1740. p. 121. Lyra harvicensis, pinna doriali longistima maculis caruleteentibus, Petivern Gazoph. t. 22. f. 7. Trachinus maxilla fuperiore longiore, pinna dorfali priori altiflima Linn, F. Succ.

6. XXV. p. 43. lin. 15. a fine, Artedi; add. Spigg Linn. F. Suec. - lin. 9. a fine Artedi. add. Benunge, Linn. F. Suec. 6. XXVI. p. 50. lin. 14. a fine, Anglis; add. Cyclopterus Art. Sist-

rygg-fifk. Linn, F. Suec.

- lin. &. a fine add. quod 1748. fum expertus, cum hunc pifcem exficearem; qui totus tuberculis rigidis horridus. 5. XXVII. p. 51. post num. 2, add. Du Terere H. p. 222. multos vidit 14 longos.

6. XXIX. p. 52. post num. 1. add.

1. b. Enchelyopus capite ferpentino, facie pracedenti congener; compresfus : pinna doriali unica longa, humili, aculcato ad caudam usque furcatum; altera post anum; duabus postbranchialibus; mandibula inseriore longiore in callosim Aubstantian terminante; ore dentato; lingua ad inflar offis; tres pedes 7" longus. Serpens mariaus compreffus lividus, Sloane I. p. 27. t. i. f. 2.

1. c. Enchelyopus, capite colubrino; corpore teroti, versus posteriora decreicente, pianis ominibus ad inflar papaveris foliorimo tenuibus, fubtiliffirms, & mollibus mais taffentaris, Moconites (†). Tareira d'Alto (i. e. merinus) Marggrav. Will. t. N. 13, f. 2

(1) managerant Ashee vilule (ib. 37. c. 10 gemma ell papavera expriment) supraso etiam deiter falliculus five velica po pt , in qua continerur efur atransentum ; & survicerel derifferell fent pulces quedam gregales. Propter punnas ad initae papaverla faborom tenues cognominamus pilcem Asconicem

r. d. Enchelyopus, capite viperino, maculis farefirarum hortulis hexagonis limitbus; pinuz doriālis primo radio pralongo, in feta tenuiratem excurrente, reliquis, numero octo humilibus & decreteentibus; duabus pinnis gutturalibus, totidem ventralibus, unico inferne caudæ MISSU IV.

and protino; consibies angulis & inermibut, caude plina le iter luman. Plies terentucius s; optic clevro, a deverient financio culi prope pares in attum podiți richt valde paulo, reclangulo, nonulii în inferiori umadibula nonbil; que longior, fuperiore capu quafi trumentum del'erbente; crudeliter dentatis ambibutus; dentrius in lugeroid utilique quantos; primo terzo & quanto recurva fina lugeroid utilique quantos; primo terzo & quanto recurva in a lugeroid utilique quantos; primo terzo & quanto recurva in experiente, quorum extinus recurvus, in os son intrat; consibus exemulte cuspidatis. Coloris leverte tufci, înic inde disvientus quanto caris mandibularum parum rubet. Longitudino a capite ad exitum exade exquat si kundas anglicinasis. Es freco Gadituno, Caterish pep.

S. XXIX. p. 57. ad mm. 13. add. Matthiolo: Gobius fluviaulis; fimilis huic tenia marina Salviani f. 231.

— p. co. ad mm. 3. add. Fundulus Skimbl. Marfills ov. Dan.

p. 31.4. Turdus fixacilis, Eabriest. Saxonibus modernis, Stuffe.

p. 344. Turdus fixacilis, Eabriest. Saxonibus modernis, Stuffe.

P. S.

Cuis Schmerrel; hune marem habeo.

MISSUS V. Sphum V.

Typus inn expectito Miffu IV. legi in Trens ante, No. 478, 9., 70 efem. Dai. Petr Cidinfour Obbervat ad nitiam Wight; in lightfolts: do Canero najore. Incertus diquamdio helf, utrim Canero mis petagram, 20 filosziécké, an veco Adeau marisima, Johannes, intelleveite clariffutus autor? quod autem nomine anglico Crib animel appellavie, ét ad Adeau maris de lecular, Lobelte, ene con ab Adaes finaisité vel lecular, Lobelte, ene con ab Adaes finaisité vel lecular, Camélin, diffusici, Pagai l'ipccien esfe indico. Obsérvationibus pramisité inficio, quant abin incise selatam habaut Dan. autor (7), quad efficiel hercom questions deponar cancer, anglée patrocitars violeur doctribuit Din. Kil. Sea est l'incessite, quand Affain inarisité part ratione extigat fisus deponart, qua derinase illustrations quand Affain inarisité. Ne vecto me arguere evit celebra de destinations, quand Affain inarisité. Se vecto me arguere evit celebra de constitucient de dublium vocare autoritations destinations, quand de constitucient de dublium vocare autoritations destinations.

relationem infulanorum, quoad ipfe, vir perspicacissimus, non offenderic vel fibi non extrahi curaverit ex angustis & probe defensis antris sive fissiris rupium Cancros qualimodogenitos; Nullus enim dubito, quin ciusmodi hommes, vel optime fame, de Aftacorum fluviatilium historia (& pueris nota) preventi perfusfos fe fentiant omnes, deponenda cum fenecta lorica analogiam quandam intercedere inter Caneros marinos & Aftacos fluvatiles, quan & omnibus crustaris communem esse credant , the way of Growth appointed for this animal and others of the crustaceous species. Bene perpentis & confideratis tain figura animalis, quam flructura partitum, ipsaque subfiantia loricarum, & qua dermatum reliqua, usque dum laboro morbo opinionis: non offenfum jri Cancros crufta fua orbatos, vita falva, nedum mollibus fuorum corporum partibus quali difformatis & in jusculum coaffum five in jur gelatum, Galest, ullo tempore convertis , being an illcoacum two in my geauana, content, uno tempore convertin "oring an ma-"flaspen Lump of Jelli-the full-flames.». Interim tamen caula have & Affa-corum & Canserorum marinorum plane flagueiris ulectionem mercutu dilu-fationem illuftrum autorum. Hac animalcula non apparent in tractious pelagi juxta littora Gedanenfium. Reliqua facta, qua oculatiffimus COL-LINSONIUS infe observavit, summan merentur attentionem, utpote que de mirabili talium cancrorum natura testantur. Caterum notandum, quod im hamb. Magagin Tom. II. p. 477 seg. juxta vocabula Lobster & Crawfish levia irrepserint erraea: Sie tegen thre Schaufen, was bie Austern, einnaßt im Stahr ab ; item: Daß ber Brobfift feine Biffe wieder bervorbringet.

(*) Thefe Hints i collected from People of good Character, whose Employ was always amongst them.

Pag. 34. circa finem adde: Vefica ácrea in Lucioperca biceps, in Perca ac Cerma lisperiori extremo ferculiorums tantum.



EPISTOLA

AD

VIRUM

IN REGIA SCIENT, LONDIN, SOCIET,

CELEBRI

DOMINUM

PETRUM COLLINSONIUM.

Nupermus an Vol. VIII. All. Phyl. Med. Aced. Cef. Leop. Frant. Fej belsevationen dode surioism. Dn. D. Abenhail Back. Med. Pedi. Stockholm. Aced. N. C. Crivolomi II. de Comu Flicis plane lingulation. Carine mois impacto in qua definition starey. prazer alsi eigensoli dela, qua Parifit & Beralmi Oblevavera; finise Cornu quod in TUO MUSEO Gersatus, facili open XIPIEI & come determinandum contendut, & incidente conqueritus, me inconfilte fidem antiquorum de facinoribus Xphatum permitin narrantium in dubum wonelf. (Mijli de Pilic IV) sun Xphatum permitin raturatium in dubum wonelf. (Mijli de Pilic IV) sun Architernio III de bekunenco vidente ammentare Venerande antiquitati collevata, hand silo argumento, quam quod non (tai net al

Non ef, 'good versuris, Amiciffine COLLINSONE, me male habere difentium dochfinit vir, nate de me miformat, vel quod deibbe veir amicimat de me miformat, vel quod deibbe veir amicimat silventium de me me monte versur menatura velocita fum; Er et amen effe ducid, hanc materiam, cault Engellem under under meius informatum. TU ferus feutentium, cault en deiftone perede, attentium matiom opus feeren, fi quande deitu dediffinum entreve in entre antaquorum pedibus eundi deliberationem procraftinaverim. Quantum feri poterti, berybbus me sexediam.

Precellentium pilcium marinorum, Armis fingularibus in capite infurchorum, non nifi tria genera, diverfarum plane familiarum, comperta babanana.

I. NARWHALEM vel Unicornu, aliis: Rhinocerotem marinum. II. PRISTEM C Serram.

III. XIPHIAM f. Gladium.

I. NARW-

I. NARWIAL Phyleter ett, i. e. Flater, aquem hauftam per fiftulam in capite cum impetu rejiciens. Pifcis vivos edeus cartiols (a), pulmonibus & reliquis vifereibus offibisque precipits, prout quadrupedia, imo fimilibus organis auditoriis, demta externa aure, preditivas eauda horronntali \$ is dea Cete, vel ceteaceo pifces, certo certus referendus.

Omnes pitces Centeel, five phyleterer, vel haben duriffimos & eburneos dentes, vel carent dentibus. NARWHALES funt vel Monodontes vel Didontes (b), quantum modo nov.

(a) Embryonem vid. in Ray/24. Th. annt. 1X. t. s. E. s.

(b) Miffo V. in addit. — vid. Dn. Anderjan, relat. de labralia Scs. p. 206. — Zergde. de integro capter diduntes. Antifelodami file condito. p. 33. — Oligero Faceleo fol. 14. videtus, ur plucimium birarracus effic — Suthfine reflus Révineures marinus votats attoriator.

Ejusmodi dentes sint vel turbingti sive sortugs, vel laves (c), vel, fi figura Zorgårageri non solilunt, siusos (sp. sen einigen Octen brum p. 36.) Per non licet, si quis dentes velit appellare cornus.

(c) Do. anderson p. 206. Suche monocerol. p. 95. Zorgde, p. 33. Happel in relation.

Omnes ex fiperiori mandibula (d) vel finifirorfum vel utrinque prodeunt, aft ionibus demun excluis prorumpunt creicunque fiper al veolis fiis. Eorum fisificanti quidem offen, let agregie dura, ebrura ficilicet, ab offen fisificanta mandibularum plane divertà s molarium dentium nemo hafemus ulla detexti veftica.

Proper multitudiens dentium, qui cedicati inveniuntur, verifimile mili videur, nipuando a licucedendus mui deturbari detuces mofie (vid. Zergdr.). 24, quod non colum ladirario in amuno Serietatis
probes, fed & Joan Fielsburg a gud Wormism, cum dennem Rege into
radium, ut philotophic exilente, de in hue from Pera Jura Deput
parrem dividitet, se fortiss shquatot reliquium concurifiet, telebur, erapit tenellum a covum denem, majori incluits qui futt, figure & inditura plane fimilem magno iti. Ideo quoque dentes, qua erraim parrem,
centre elle Zergdregru autumne.

(d) Option Opinions all Procession 2, 25(3): En quincheide finishe deus processes, their and its assumance profile, espityle anne de constraint (in processes) that the tends text in ordine finishin potent unum case quartors pollubility entre that the first includent; valuate elle male, selegen face firsts, in carbo vibral memoria contentant, tendere richera de finas dos indults, set movers, ventilare vel certari economical check and relief operations passed to destruct and the carbon destructions.

(e) Culus sconifinus cum quintoplici festre socifione Tab. XIV.

N NARW...

NARWHALES dentibus, qui dariffinum ebur, infeftant balenas s glaciem petiringere decuntur (1), & quasi excutientes in mauer runne, bas pro balemis babentes (Mpiù II. §. 24.) unde eft, quod l'épiss jachrarn vel fratheram dentium, allquando cum jachtra vice, patiantur. Hzc sufficiant de Narwhalbus; qui

funt vel Monodontes horum alii 2 Læves obthe cufpidatur obthe cufpidatur

(f) angele p. 36. Wernder p. 385 — De Content Jerelling's val Breigh Angeles. and Gerland Reight and Gerl

II. PRISTIS few Serms Seigs Elipadons — Caleux arthro longo, plano, firmo, jpinio difeis comprefilis recties ex adverio finis, lerrat inflar, munito, couda verticali, prous in Galeti. Plicis branchiatus, cartilaginess (g.) branchia ceudura, nion intensa in familiani I Cancoroma; in pecies 20, fi veruns; excredents. Pieter fullpechum pilcom Olin Magui, qui perihiber in hos genere pudiem non novil huma, giren tia dividera, alterials format in hos genere guidem non novil.

(g) Warmins inter affes ponts, cum tamen Caleir adnameraveit : & a Legglesger's blofire Cladius, Edward Fifth, (potus Edge-Fifth) vocatur. Tefring, and the quar i. e. (cando utrigue rollite). Phinis 2 Setta; guam Fran. de Lees deliribens confundit cum Nighta, lib. 15, e. 12.

Cum Narwhalis dens vel comm., exclufo demum fent, proteat & credent, serva PRISTIS cum fentiu in Uren acut, & cens catalor haven prode, tampana capirs in pars confirments in verto lecta vel tuerna ved practice manyara, flexible of terra cate celle, using upoque distribution cum return valos. Nelle ill. 12 Cartes de profes constituto se percentum cam anni-abecunt is craftles at membranolim, & quoto ferra qui un oni ad prelialite el terrau ant, examples, lace cum interes pais central, manya prelialite el terrau ant, examples, lace cum interes pais centre, marriamenta & aginenta in neuro secondir, lace cum interior pais centre, marriamenta & agine anti in terra velocite elle quadrique can, and Narwhalis prate el attention el collection participate del quadriquecam, and Narwhalis prate el attention el rollean uterrafore, studyber quadriments colors, qui piete, over in liquin parte centre. fito & edentulo, dentium loco finet, quibus cibum diffiudit, quem alia animala molaribus mafitando confirmant, Narwhalis vero fugendo. Sicubi dentur varietates hujus pifcis Serra, necefiano cjusdem fine naturae, cianni aliqua forma differenta vel mixtura pifces inter fe viderentur diverii.

III. XIPHIAS five Gladrus; quia antiquis ex hoc genere non nifi wites medies cum ancipiti gladio cognita fuit, cojus figuram vide apud Salpranum & Willugbbejum, ab illo melius descriptus quam pictus. Est piteis mandibula superiore in rostrum notabile exeunte, plus minus acuminatum. inferiore brevi, triangulari, exquifite mucronata; cartilagineus; pro quo & a Willinghbejo agnoscitur; pedes decem, quod sciam, non superans; in ordine actpenfers aliquando duodecim pedes fuperanti proximus; cauda Thomporum infigniter lunara, verticali; branchistus, branchiss apertis; cunus mandibula superior est processus calvaria simplex, aut in formam vel pladii ancipitis, lati, plani, utrinque gaugliter politi, vel ad inferiorem partem cavati in superiore convexi, vel angulati (Soblestlinge) aut in figuram gladii sriangularis vel paratorii (Otosi Riinge) producta, nunquam teretinfeula figura. Mandibula inferior confianter in conum acutifimum Lx 1. apice fuo ad processium gladisformem pisci zermmum rictus & hiatus act ribent. Medium rictum & histum inter utrumque os bona fua parte occupant cerebrum atque oculi (vid. Caium). Reliqua habet cum Prifte

Prater Hannei, Schelbanumers (h), Haremanni & Schrotenbergeri figuras (ut Guebucu Margar, de quo fupra, taceam) quatuor Xiphiarum etates Miffu IV. in medium produxi, omnes accurate pictos & fufficienter descriptos. Sie minimum octo gladios expositos tenemus. Tot exempla fufficere posiunt, ut recte ratiocinari liceat, plures eth dentur Gladiorum vel inecies vel varietates, onines camen naturam moresque illorum fegu teneri ommumque Calvarias fuperiores mandibulas fibi habere connutas, inferioribus longiores, in Gladios videlicet, non in Palos, five Conos, vel dentes elongatos aut in Cornua teretia five torofa five levia productas. Internem firucturam roftra Xiphia & Priffis, ex uatura amborum pilcium. communem habeat, nullateaus fubfiantia churuca, qua est unicornu vel rhinocerotis marini, quin potius gladium in modum cunei (prout loquitur Caius) occupet materio quadam ruffa, cariofa, NB pinguedine quadam unctuofa, medio modo se habens inter durum & mole, friabilis, ita ut digitis facile deteratur, intertextis quibusdam membranis continentia caufii. Fr nugdi etiam roltra Xiphia & Priftis duplici pervia fine foramine, exinde tamen non fequeretur, Priffem cum Gladio confundi, vel ambos prices Cum Narwhale, fi Narwhalis altera faccies fimili guideret foramine duplici, nee fequeretur, ouod Xiphis aut Priftis roftra non fint enliformia, vel; dari Gladios circumferentie ovalis. Nonne vapularet, qui Belennntarum Suevicorum originem mox derivayerit ex corau a Da. Baeckto in tab. IV. f. 1. 2.

exhibto, quod aliqualem finalitudinem habet cornu cum belemnitis finevicia qui afectivo dei externano vi intervenau. Secudino Wermium: Roltrum Xiphiz et officum, folidam, perglum, cinerum, paulatim in curient terminatum — ex dendra quid laminis officis ac dunes confitum, quarun medium XII. perglum per perguina qui do cocque — s'. et militornius-orientem per perguina qui do cocque — s'. et militornius-orientem per persona confite. Tantum veca abedi, ut ejusumodi precefus pictium cari-laginocorum gifes & dares in eburness vectres, vel cum destritas allocum armalium, nedum cum cormobis for Elephanoi, five Rossurai, five Ebol-rockim per de la companio del companio de

(6) Uh. selffe 19. §, 9, de Xighia stheilkammeri revia mea fic forant; Capus gladium dentem dizerci pifor Barthala, non intere lietz, me Xiphiam autori pro Marchala quie wifie, formo del el de glado autoris, prezel fielan culpum, perperaim pilos, quod exxus comprobat. Be jadec, rolles, que figuram pla interam de quibus figura) non habota shevaream, yel no milan eritti. Xiphiamen yel fate en the Tito.

Colluits modo inter fie tribus hobus marinis, luculenter expiratific confido, NARWHALEM fina notura Periofiction et fie. Sc cuti volentus in quactunque, vel magna molis, corpora turce ad confodiendum; PRISTEM vec 6 XIPHAM gladistoriam didicifici arenis, fisaters, cateries, fisaters, fisaters, cateries, fisaters, fi

Sel cum docliffinus Dn. D. Banckius dweefs palie piletum vidit, man quidem pilete, ego vero nee fission en cifere infov vidi, citero ad Dni. autoris deferiptiones (i) attenus IPSE, peripienelfilme Ool LINSONS, indices, cityis ex tribus beluis expositis fueric Cora, quod in TUO MUSEO fervatur, quocum pileis perforaverat afferem navis extinum auque tabulam tres bollices reaffam.

(1) P, and Corton carefore faces colore alba — beta careful florous resolutor that, p can be deem 6 destifictures, a concluded leaves p perform facilities regard moles, p cape, p and p detifificum or criterativersus oxidis, assumes cered, herefuse noile mode in a desen conspectific, perfedend positiones, non feetand p, p, and p corresponds to the floration of p consistence p. p and p consistence of the desiration of p consistence p and p consistence of p consistence p

Ad paranda tilia facinora utique non folum valor armorum fed & fortituda adelfe folents, de levioribus delichts minorem flufpicamur virtutems alioqui majus & minus parum ad rem faciunt. Minima vipera usque adeo moriu fuo mihi imprimeret mortem, ac omnium mazima vipera caudifona.

Urget clerifiums arere, cornue non fuific erosti feel lertate, bequiem neutrates involves tunde eft, quod mado in displosivemen noftman marrim NARWHALES ketibut deutabus. Legi merentur verba non jitei laudandi Dr. Anderformi quodnat Pere-Conf. Haubburge, cit. 1, p. 405 (spr. ubi limul ad objectionem respondes, acii Hamburgum temahan Narvahla kewa cerusu certafi interni fensas, quod feilicer monquan audeira aintal quoddam eum corrubus in lucem editum effe. De XIPHIA aliter res jadi habet, upote cuitus mandibial laupeiro rolfro noublist ex sea adeit, confinate longior inferiore, ni piliem ex ovo perdiedris; ex adverfo Acus Opparai, qui diskaw Salitani, ex ovo inferior noublituse longior mandibula limeriore.

Non vapilabo (ut îneptus viderec) îi diseriin; Annapus videceșci dulos fuiție, ne rie quidum obleviile S quiinile (quan plurimas relationes longe petites se incompletas și fic fingula eorunduu afierta ce beitorul apriluite propriatura seritation producti productiva petitului propriatura și fice și fingula eorunduu afierta ce beivrature producții, apropriatura; silice secentural aliante propriatura; silice secentural aliante propriatura; silice secentural aliante propriatura; silice secentural aliante productiva securitării de productiva securitării de consultation propriatura și silice secentural aliante securitării de refeatis contam decliter evado pre vafinanții aliante de refeatis contam decliter evado pre vafinanții aliante de refeatis contam decliter evado pre vafinanții aliante de refeatis contam decliter evado pre

Quequid autem fit, perfiasfium me femio, quod verrer Navehalem & Xiphiam (& promitieus Cladiets vocienterins, cum res fit comperaante fieculum XVII. deutublis habufile notiones de Unicame me ANAWHAL hole audit; non enim funt enti, dari pifeme remi fin de ficrentem, quod per fecula celebri Unicornu terrellri privative competererediderante, quod que nomulli recentionum pro aré circo extellerum.

40. Cond & Grace montaneme un'une figuillasse unde & Calena Filmé & Calena se candidate de la companie (p. 1). Deservation de la companie (p. 1). Deservation de la companie del la companie de la companie del la companie de la co

Et quid diendum de Strabente Galcons? vis ue ne vis quidem in Niphiam verenculus, ne Mynhis pliese gleiruste continuidare cum canibas un riniti, a principal poi pliese gleiruste continuidare cum canibas un riniti, a gleirum genere, a acude qui com Mynha a vight, de Glidio nelly a non incelligenda, que legimus; me man mo Cenno indeco ni canada que in canama que in canama que in canama para de la quaphamam aliquando perforamats, y el apud forma navena migro reference; — A cujus mucron naves persolis entegi in Oceano; "vel ex Élimas: "Maxima ciam Cete propelli & ulcititurs, cum poins typhas, fecundam Adrivandum » 3731, liamosper ecoloregica fragianase.

balenas, ubi, minus licet fidenter, addit: "apparet itaque hoc genus pifcium "ignorare fua ipfius arma, quibus fe adverfus balanam aliasque maris helias "tueri poffet." Si vero balanas exhorrefeit, fone naves reformidabit, mirum præterea audit & quid contradictorium, quod Ælianus; Durum adeo atque robultum mucronatum viventis Glades rostrum NB, gladeo extincto invalidum & in efficacius reddi. Huc referenda, que de valde periculofa venarione & de captura Gladii Strabo refert, telo feslicet hamato (Harpun) quo Norwhales & alia Cete feriri folent; rurfus Xiphias dieitur banus capi, postremo & retibus, ut vult Oppianus. In Offio Gedanensium utique capiuntur, non quidem telo hamato nee hamis Xiphia, pilces ad tummum decem pedes aquantes (licet Aldrovandus nugas nugars cos perhibeat, qui 6 pedes longos deferibunt) fed retibus citra retium pericula, quibus irretiuntur acipenferes sapius duodecim pedes superantes; & quid mirum? si dixerim a vero alienum "quod nonnunquam gladio fuo belua in navem facto impetu eam perforet, sed non fine proprio vitæ damno; pifeatores namque tecuri illien maxillas ejus confringere, navique clavo aliquo obturata viribus jam exhaufrom e mari extrahere... Ouidni ergo in dubium vocassem, ut fabulis annumeraverim, que ex antiquitate haufi Miffu IV. p. to. lit. c).

(5) Pequis noble regiltures professos harbereums mensiman policine, que faulo XIV, que querente un first Anoltes — Millera— Millera— Dellara— Contara— Gallery de Contara— Contara— Gallery de Contara— Planta— Contara— Gallery de Proprietes s'positioneses, ful persoque non tubert venelubrium circa attonos 1,400 Australity que quel en lublendres solicite Contagia Partidir person quel en lublendres solicite Contagia— Partidir persona de Contagia Conta

Sine, plétim inprimis hyloria adhuc valde manca eft, & cleitica bunt per feculum, quibus cordi erie, verum a falls rehintinhis d'quandoque obterlationibus diference. Optandum, ne fallà pro veris adoptames tumma quandoque inits, quandrat rotundis, permificamus: Hoe eft, de quo Terentus fin tempore queffus eft : $N\alpha$, homines faciunt intelligendo, ut nishi intelligendo,

Sed, ne Patientia Tua abutar, Vir in Hiftoria naturali occupatisfime, Epiflola finem impono, & ut bene valeas meque amare pergas voveo. Dabam Gedani D. 4 Oct. ft. n. 1749.

Errata:

Pog. 3. lege : GLAUCUS

Pag. 4. lin. 12 a fine lege: forte Pag. 27. lin. 10 lege: Gobio

Pag. 35. lin. 4 a fine lege: interrupta

Pag. 58. lin. 5 lege: Scarus

Pag. 74. lin. 6 a fine lege: lateraliter

Pag. 80. lin. 8 lego: nit eu Pag. 87. lin. ult. lego: illam

Pag. 89. lin. 9 a fine lege: Plotii.

reliqua leviffima funt

